



1

SEQUENCE LISTING

<110> Recipon, Herve
Sun, Yongming
Chen, Sei-Yu
Liu, Chenghua
Turner, Leah

<120> Compositions and Methods relating to Lung Specific Genes and Proteins

<130> DEX-0243

<140> US/10/016,349

<141> 2001-10-26

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<160> 244

<170> PatentIn version 3.1

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<211> 2368

<212> DNA

<213> Homo sapiens

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actaaccaga ggttactatt gataatgcct ttttgtgtat atcctgtatt tgttttccta 180
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 actaaccaga ggttactatt gataatgcct ttttgtgtat atcctgtatt tgttttcccta 180
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 agtgtgatgg gaaactatgt tatgcttctc cagaaagtat gacaaatatg ttacatttac 780
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 aaggttgtcc nnnnnnnnnn nnnnnnnnnn nnaattacc aagcaacagt ataaaaaggt 180
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attcatgctg ttataaaagg gctagctggg ctctcttttc cgttactgcc ttctgaccta 300
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 aaaaaaagtc atgttattac cgcattttgt gaattcagac atgcattgac tattttactct 180
 gtgccatgta gttttctcca ccagtggagt agatgttatt atcccathtt tacacatgat 240
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 <211> 532
 <212> DNA
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<223> n = a, c, g or t

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<223> n = a, c, g or t

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<212> DNA
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cgtgtgtatg cacactttgt gtacctgtgt acatgggtgat tgtagatgta cctgttgtgt      300
gtaaactctg ttaaaatgaa atnngcttcg catttaatgt gcaactttga agtagtgtaa      360
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<213> Homo sapiens

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gcattttccaa catttttaaag gcagaactga gaaacagcta tttgttcaca tacaacactg      180
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taccaaatta aaaaaaaaaa tcagagcaag ccccccccg tatctatttt tgcttgctc 600
tgatgtaaac tgaattaaga ttttaggtac ctggaccttt gagaacgtga cactagcaag 660
gtggtgacca cagagaatag gtacaaaggt cttgaagctt gcttagagct ttgttccgtg 720
gtggcacaca aatcttggtt tgctgtacca tcattggcaa acctcatcat atcacagttg 780
ggtgtgtttg tatgtgtgtg agcactagtg tgtgtgtgta catattcgtg tgtatgcaca 840
ctttgtgtac ctgtgtacat ggtgattgta gatgtacctg ttgtgtgtaa actctgttaa 900
aatgaaatth gcttcgcatt taatgtgcaa ctttgaagta gtgtaatatt tatctaaagg 960
ttttcactac ttggtccaa tgtctccctt acgtgttctc cccattttca tgctatctta 1020
ctagtcctg 1029

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<210> 15
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)..(30)
<223> n = a, c, g or t

```

```

<400> 15
ccattccat ttttcagatt tttttttttn attatgtagt atccccctgga tataatcttt 60
ttggtgaagg gggatgtctc taatttccac gtggtacccc ctgtcatata cagggttatgt 120
atctggcagt ctacagctgc aattcatggc tgtttataaa atttcaccag aacttgtcct 180
gacgtccttt tactttttgta aatgattaga aaaaatgctg agcctgagta tgtatttttg 240
tattaagagt tcatttagag agtcccagaa attggcagag ttgattcaac tttctgtggt 300
ttaaatttga atatgcaatt agtagactgc tggatatttc gaagtttgtt gttgcaggcc 360
tcttgtactg aggaggaaat ctggaatttc tttttctatt ttaaatttagc gttcattcaa 420
caaacattht ttgattatcc ctagagthtt ggcacacgat aggaagtcta gaagtgtgca 480
gtctcacctg gtctcgcaag taatgggaat ttttaaacta tgcaggactt agaagggtata 540
ccttcccttc cttcagaatg at 562

```

<210> 16
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (188)..(212)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (346)..(346)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (394)..(394)
 <223> n = a, c, g or t

<400> 16
 aataattgct acctctgggt caatgtgaga atcaaattgag ttagaatagt ggcatataacc 60
 attttaaatgt ttttatttat tttttaaaat ttattatttt tatttttttt taccatttta 120
 atgtttttat taaccactca gcacccccag tgccctgacct atagtaggtg ctacgtatct 180
 gcttttggnnn nnnnnnnnnn nnnnnnnnnn nnggtatgtt ggggtgggga gggaccagg 240
 gaagggtctg ggactgaggg gatgcctggg tccctgctgc ccactgcctc tacagaccaa 300
 caaaggcttg ggccaaaggg ggacatccca gggggcaggg gccgcntccc gccgtgcctt 360
 cctgctgggg gtccctgccg tcgggctggg cgtntcacgt 400

<210> 17
 <211> 665
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (616)..(616)
 <223> n = a, c, g or t

<400> 17
 cacttacatc aacttcataa atgcagccaa tttacaataa acattcccct tgcaaccct 60
 cctccccac ccacctcact ctacctgaaa agatggctaa ttatgttagg gccttgtgta 120
 ttcattttatt tgttgtaaaa acccgggggg gtgttagctc tgaaatgggg aaaaggctct 180
 gagggcgagg ccttggctgt gaggggctgg aggttttgtg tgtgaagggg ggtagcctgc 240

```

tggctctggag cacgctgata agatgctctt cttttcacag ggctctcctt agattcaaag      300
actaaaaggg ctgactgaat cagaaaaaca aacagacttt cttttttcta taggcaaaga      360
aagaaatgaa tgtgtaggca ttatacagac acaagacccc ggtaccagt ggtatttgag      420
tcaaagggtt cttttgttag tatttagcca ttcactggga aagcacactt ccagcgcggg      480
gacctgggta ccatgagtga ctttgtgatc tcatcctggc ttagcctaaa tgggaagtct      540
aattaatgct ttttataaga ttttgtgatg ttaagcttca accttgcaat tcatattagt      600
ttgttcattt tgatgnaaga attggcagat tttaggtata tgatgcagtt tgattttagt      660
ctaga                                          665

```

```

<210> 18
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (14)..(14)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (171)..(171)
<223> n = a, c, g or t

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```

<220>
<221> misc_feature
<222> (339)..(339)
<223> n = a, c, g or t

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<400> 18
tatgaacaag acanagtgat ttaatacagg gctttattga aagtgaatac agtcttgaac      60
gctaagattt tcagagcatg gatgaaacgg ttggtaagct aggaaggcat gcattattta      120
tttctgtaat acctgattaa gcatcacaaa gcctgtggaa gaaactgtga nattttccag      180
ttgtccctca gaaacattta cttttagaaa caaatTTTgg ctttttcagc tgtcctactc      240
ttgttttcca ttcccgatc cctccatgtg ttcattgtgt acacagttca taatgctatc      300
acatattgat gacaaaactg atagtgatag ctttaagagna atgcgaccat atacttaatt      360
atacaaatgg gaatactttc aagtgtaaaa agaggcatga ttcattgtga catcacggta      420
ggagaaaaaac tgggtacaaa cggttgctgt accttaaaaa ccaca                      465

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```

<210> 19

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<211> 635
 <212> DNA
 <213> Homo sapiens

<400> 19
 gctcgagtat gaacaagaca gagtgattta atacagggct ttattgaaag tgaatacagt 60
 cttgaacgct aagattttca gagcatggat gaaacggttg gtaagctagg aaggcatgca 120
 ttattttattt ctgtaatacc tgattaagca tcacaaagcc tgtggaagaa actgtgaaat 180
 ttccagttg tccctcagaa acattttactt ttagaaacaa attttggett tttcagctgt 240
 cctactcttg ttttccattc ccgtatccct ccatgtgttc atgtgtgaca cagttcataa 300
 tgctatcaca tattgatgac aaaactgata gtgatagctt aagagtaatg cgaccatata 360
 cttaattata caaatgggaa tactttcaag tgtaaaaaga ggcattgattc atgttgacat 420
 cacggtagga gaaaactggg tacaaacggg tgctgtacct taaaaaccac agaagggtaa 480
 acgagcccaa ataaatattt ttgcccttct gcgcaataga gtaaaaacaa atgcaatgct 540
 ggccctttcta ttcactttac ttattcagtt cctaaggtga cagtaaccgt tttcttccaa 600
 gatagtattc agaccatttc caggagcccg tttgg 635

<210> 20
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 20
 aagaggagag aagagagaga gagaggggcc ctatcctcaa gaagcttgcc atctaattgg 60
 tatggctggg ccaccttgta gagccacact tgagagatgc catacacatg ccacagatgg 120
 ttggtacgtg ttaagctctg tagaaggaga cattaatgtg ggttgaggatg atgagagaag 180
 gcttcctgaa agaagtgggtc tgtagcagaa cctaggtgaa cctaggtgga aataaaatca 240
 aatggatagg agtgggaatg ccaggaagta tgttggaagg accttgaaat aggttgagga 300
 tggttgggag acctttgtgc aaatcagact gtggagggcc ttgcatgtca gacaaaatag 360
 tttgttaaataaat gaatg 375

<210> 21
 <211> 907
 <212> DNA
 <213> Homo sapiens

<400> 21
 tagggatatt tgtaaacctg atttaaacct aaccatatgg aagagattat tttgtgtctg 60
 tgaggctgac acagtagtag tcatagttcc ctctgtccag gtggcctgta cacaattttc 120
 tgtaatcctg agaatccttc atggtaactg ccgctcctgt ctacctttta cagattagaa 180

```

acctgtggct cagagcagcc aggtcacaaag gccaaagetga ttccgctgat aagtggcaaa      240
gctggaaccc cctcccagga gtctgacttg tgccattcct atgccccaat gccttgctct      300
gtgtcctgta gttctctctt ttcaggaaaa agaaggtaga cctgggtgtc ctgtgttaga      360
agaaaaagca gaattatgaa attcatatgg cttgctggcc taaaaaggaa ctatagggga      420
tagtgacca gctgttcat ctttaagggtg gtggtgggag attggcagca gaggagaagc      480
ctcagcctgg aaggagagga gctgaaatga atttgtgaag aagcttatgg atcttcctcc      540
cctgagacca ctacaaatag gacacagcag ccatcagtgg caataatcag tggttcgctg      600
ctcatcagaa accaagggtg gctgataaaa tatltagctag ggtcagccca gctgtcccac      660
ttcaggaaga cctgcttggg agaacacgag cttgcaggcc aggacaggtg ggggtggctcc      720
ttatttagtc gtcttaaatt agtccctat ttagttgtct taaatttctt tacttttctt      780
agagaccttt taacaagtgc atttccttgg tgcattgaaa attggacttg gtccatgtgt      840
aatatataac attgcaaagc ccactactgc ctaagggtgtg tgtgctcacc atgctctgca      900
agtgatg                                           907

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<210> 22
<211> 501
<212> DNA
<213> Homo sapiens

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```

<400> 22
tgatgtttat gatcttatga ctgcaggccc ccttgacggc tggatggtga gagaggaaaa      60
gcacagctgt accagaaaga caggcagaaa gaggtcccag gcacagcaga tcccttcagg      120
gtggtggaaa tggagtcttg caaagtattg ctgctattgc tgctgcagac tttgcatgaa      180
tttcatttac ctggatcctg gggcccatgc tgctgagagc ttgttcagg tcaaatgtct      240
gggagttcca tctagatcct aaagcaaaga cctggcattc tcaggccatt gccagcattt      300
tttaaaattht ggggtgtctt atctccaatg gaaagatctt tctccatgat taccagattg      360
cttgcaactc tcagaagcaa ggataaaaat taaaaaggac ctgaggagtc cagaactttt      420
gcatagaaac aataatataa attgtcctta gatttcctta atcagccact cacagtatag      480
ctaagaacct gcacatctgt g                                           501

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```

<210> 23
<211> 551
<212> DNA
<213> Homo sapiens

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```

<400> 23
tagaaagcag tgatactgcc gcacgcacat gcaagagacc agagaaccag aacagaaggt      60

```

aacaaaacag gcttgactat ggtgagaact gagaatgtga caagggaacc acctaagccc 120
 acaggactgt gctccagagg cacgcaccct ttatcacact caagagggcg gacatgcttt 180
 accaccggag aacggggaaa acaaccgtat tttttcaaca aataatttca aaacaaaaaa 240
 caaagagggga ttgaaagaga cttaaaagaa ccataaacca aaggcaatgt gtagatctga 300
 actctgattc tttatttttt tgttatttga actctgattc taacaaacca actggaagaa 360
 aaattctaag acaatcagga taatttaatt cctgactaga tatgtgatga tgataaggaa 420
 ctaatgtcaa ttttaagatg taataatggg attgtagttt tgttttttta aaatgcattg 480
 tatagcaagg aagggtctac atatttaaca attctccaat ttctcactga aagtatttaa 540
 ataaagaatt g 551

<210> 24
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 24
 tagcgtatcg tttgttcacc tttttcattc tgagtcatt gctgctttta agaccagaac 60
 tcttcttga cacacataag taactttact taatactacc tctgacttta ttttgcatTT 120
 cctcagcaat attttacacc actctgtttt tcttattcat atgttgattt gaaagtctct 180
 aaatgatctg agtgtaacct tagttc 206

<210> 25
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 25
 gattctcttt ttgtccttgt tccttttctt tgccctttgc ccaatttagc cattaccaca 60
 ttactagttc acctctttct aactatcacg gctaccactc tgtctaggca ttaagtccta 120
 atagctgtgg cctcactttt tatgaatttt gcactcgttt aactgccaga aaaaaaatt 180
 gtgctgattt ttatattctg ctgcagaaat ctccagcttt ataatattat acatcatcca 240
 aagctttaca gtagtcttct aatgtctact tccaacttct agcctttttt accttggttg 300
 gctattccag tgttctacc attgttcata acctctgtat ctttcccga tcgtttgttc 360
 acctttttca ttctgagtc attgctgctt ttaagaccag aactcttctt tgacacacat 420
 aagtaacttt acttaatact acctctgact ttattttgca tttcctcagc aatattttac 480
 accactctgt ttttcttatt catatgttga tttgaaagtt cttaaagat ctgagtgtac 540
 ctatagttcc aactactttg gaggctgaga taggaggatc atttgagccc aggaggtcga 600

ggctgcagtg atccaagaaa actatacttc atctctaaaa aaacaataaa ataaaaatTTT 660
 ttaatgcttt tcattgataa atgctttacc agcccttttg taaggTtctt tcattttcttg 720
 ttgtgcatac ttaataaatg tttgttgctg tctgatcgta gtcattagcc acacatttg 779

<210> 26
 <211> 754
 <212> DNA
 <213> Homo sapiens

<400> 26
 tagataatTTT aaggtttcaa atgaaaatta aaaatTTTga aaaaatgtgt atatccacca 60
 gaatgagttt tacatcttat caataaatac agacttcaga gttactcttt accattttctc 120
 tcccatctaa aagttacatt ggttaagaat cagttatTTTg ccctactatt aaatgtgaga 180
 tgtgaggaaa gtaaaaagtc atagagtctt agagtgctgg ggctagagga aatcaaattc 240
 aacctccac ctaacttaag actcatcttg aaaccatccc tataaatgct tatttgctgt 300
 tacttaaatg ctcccacagg cagagattat aacctcccaa aggagcactt ttaatttgTg 360
 atagcacaaa tgtctaaaaa tactgtTTTT tactgtaagc tgaaatatgc tttccccagt 420
 atctatccat tggctctaatt ttggTTTTtc tttcatccaa aacctTTTca catactcttg 480
 tttccctagg tctTTTTTtc cccgctatTT tlgagattgt atagtttcta agccctcat 540
 catcttgagc tctcttctgt tttTTTTTct ccccgctcc ccaacctcca ggTtcagctt 600
 tgactgtaga gttttctttt cttgatccat ttaagtttac atatgctatg cctagaataa 660
 actctagact gcagggacta gcctcattag tgtgaaatgg tagtaggcat tctgatttcc 720
 ctttaaaaag gactatactg gctgggtgca gtgg 754

<210> 27
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 27
 acaaaacaaa ccctcaaac ctcaatagaa gagttgtaaa caaaagcaaa ctcaagttcc 60
 taccaattat tattaatcat tacattatac aaatttctat tggTTTTgtg cgactatgTt 120
 gtagatcaga atatcaactt ctagtttaag ataacagatt ga 162

<210> 28
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 28

tagtaacctt agaaatcaca cagctacatt ctgttgggta caagcaagtg atactcctgc	60
tttaacataa ggggtggaaa aaaataaagc tcaactcttg aaggaagtta tgtcaaagaa	120
tttccagcat ttgttctaga aacaaaaaca agaacaacaa aatgttggca tagtataagc	180
aaccgtcttc cttcttgctt ggaatgggta aagtgagtga agaggtgtga gagggaaatat	240
gaattaacag acaattacaa tatactataa catacagggtg ataagaaaca aatatgtcga	300
aactataatt ggatcacagt agagggggcat gtttatcttg gccaggagat tcaggaaagg	360
tgggtgagag tccatcagat gaagaaacgt aggggaagaga tttttaagtg gaaggaataa	420
aagcaatctc ttggtgtgtg caatttggtg aagtggggagg aggagagtgg cagataaatg	480
tggaaaggag gcc	494

<210> 29
 <211> 749
 <212> DNA
 <213> Homo sapiens

<400> 29	
gggatattgg ccaggagagt ttcaaaggct aggggtgcaa gacagctaga ggccagaatc	60
acatagaggt gtcttttagtg cctgctgggt gatgcagaca cccagtgagg gcctcaacgg	120
agcacctaca cctggcctct tcctatagcc tgggcttctt cacagtgtgg ccacctcagg	180
gcagtcagac ctcttaaaac aaggccccca aaacaaacgt cccagggaac aagaaaaact	240
ggcatcactt ctttgaccta accttagaaa tcacacagct acattctgtt ggttacaagc	300
aagtgatact cctgctttta cataaggggt ggaaaaaaat aaagctcaac tcttgaagga	360
agttatgtca aagaatttcc agcatttgtt ctagaaacaa aaacaagaac aacaaaatgt	420
tggcatagta taagcaaccg tcttccttct tgcttggaat ggttaaagtg agtgaagagg	480
tgtgagaggg aatatgaatt aacagacaat tacaatatac tataacatac aggtgataag	540
aaacaaatat gtcgaaacta taattggatc acagtagagg ggcattgtta tcttggccag	600
gagattcagg aaaggtgggt gagagtccat cagatgaaga aacgtaggga agagattttt	660
aagtggaagg aataaaagca atctcttggt gtgtgcaatt tggtaaagtg ggaggaggag	720
agtggcagat aaatgtggaa aggaggcca	749

<210> 30
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 30	
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ttatgagact cggctataca gttacccaat ttttgctgga catttaagtg atatcattag 120
 ctatgtgatg tttattgcaa cactagataa aacttttaaaa acattttttaa gtttaggagc 180
 caaatattcc aaccaggggg acagttttgc ttatttagtg gttaagtga tgggttttgg 240
 aaccagaggg atatgggttc aaattctgcc ttataatta ctaatagagc tgttgaaagg 300
 attagttgaa ttaggcataa aatgtattaa tgaaatgtaa tgtctcatag caaatgctca 360
 ttcactcatt catttagtaa ataaataata atggcacatt tacaatgtga caggcagtg 420
 tctgggtgcc gttgatacag caagatcaag atctggaaag tccatgctca caggagcct 480
 gtattttagt gaaaagagcc agaaata 507

<210> 31
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 31
 gaagaaacat gttggagggt caaacacaca tctccttggg ctttctttca tctgtcttaa 60
 aaacaaaaat ctctcctttt ttaatcatct cctcctgtaa aaagggctaa tcttttgtaa 120
 gcagcagcct cccatggcac agcatctcag caattaatac aaaaaagcaa ggaagatgca 180
 ggtagaggag ggggcctcta gctgaacagg aagagggcct gggagtcagg aaggaagggt 240
 gaaggatggg agaggggaag ctgaccggct tccctggag caggagcaa cagatggcag 300
 ctgcaaggca ggccaggcac ggtctcaga gaaaacgtcc tattgggttc agggtttga 360
 tgcagatcta taaatgtggc cagaaaaatcc aaactagttc catcaaggag ggtgcaga 418

<210> 32
 <211> 863
 <212> DNA
 <213> Homo sapiens

<400> 32
 gggctacaaa gaggtgttgg agggaggaaa cctggagaag cttaggcaca gccttctggc 60
 tgccttccac agagaggtgc aggagtccca cggtagttaa ctgggaccgc cctgctggga 120
 acttcaggtg tctctgcccc cgggcaagga ctctactgag actgaggaga aacagaaaac 180
 aaaacctggc ctttcagct tctctgctgg tccctgggag aggcacaagg ggctgctga 240
 gtggagtgac cttgagaagg tcgagcaggc ctctgaagtg gtgcagcggc acgggggcag 300
 gggagcggca tgagccataa aggaaatatt gtctataaaa gcccgtttt ccctttcttc 360
 tggagcaggc acaaggcact gacttcattt tgcattcata aagcctgcct ttggaagcgc 420
 ctttaagaac tgctgcagga agcctgaaga aacatgttgg agggcacaac acacatctcc 480

ttgggctttc	tttcatctgt	cttaaaaaaca	aaaatctctc	cttttttaat	catctcctcc	540
tgtaaaaagg	gctaattctt	tgttagcagc	agcctcccat	ggcacagcat	ctcagcaatt	600
aatacaaaaa	agcaaggaag	atgcaggtag	aggagggggc	ctctagctga	acaggaagag	660
ggcctgggag	tcaggaagga	agggtgaagg	atgggagagg	ggaagctgac	cggctttccc	720
tggagcaggg	agcaacagat	ggcagctgca	aggcaggcca	ggcacgggtc	tcagagaaaa	780
cgtcctattg	ggttcaggg	ttggatgcag	atctataaat	gtggccagaa	aatccaaact	840
agttccatca	aggagggtgc	aga				863

<210> 33
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 33						
tagggagtaa	catcatatcc	cccagtgat	attatgaaca	gtatcacaga	ggggtgtata	60
cacactctgc	cttataggga	gtaatatact	cctctcccac	cctggatatt	acaaaaaata	120
tcacagaggg	tgtacacaca	gggtgtttat	ggtattggaa	gtagtattat	ctcccccatg	180
gatattacta	ataatatcac	aggggtgtgt	acatcccctg	tgatacaggg	agtaatatca	240
tcctttccca	gcctggatat	tacaaacaat	atggcagggg	gcagtacacc	cttgcgatgt	300
gtgtagtaac	atcatctcct	cccagcgtgg	atattgtgaa	caatattcta	gggggttgta	360
caccccctgc	aatatgggga	gtagcatcat	cctccccccc	actggatatt	ataaacaata	420
tcacaagggg	gtgtacactt	cctgtgataa	agggagaaat	acagttcttt	cccccccaga	480
gatattatga	acaatatcgc	agggaattgt	tctcccatgc	tatatgggga	gtaacatctt	540
catcttcccc	ctggatatta	cgaaaaataa	tgcaggggaa	tgtaaatacc	ctgcgatatg	600
gggagtaaaa	tcattctctc	tggccaggag	cgggtggctc			639

<210> 34
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 34						
tagatacaaa	agtatattat	atacaactga	ttagagttaa	taatttcttt	tttcagaact	60
aaatgtttta	tcaacattta	atttcccata	atattatagt	attaaatgtt	cacataaaga	120
aaaaccagaa	gagactatgg	acatttataa	aacagggtta	cactaaacag	gtcccataaa	180
gttttaaaaag	attaaaatca	taaaaagtat	cttctatgac	cacaatag		228

<210> 35

<211> 131
 <212> DNA
 <213> Homo sapiens

<400> 35
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 cagacaatat ctgggttttg tgactacctt ctttatttaa catgttaaga tttatatattt 120
 ttacgttacc t 131

<210> 36
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 36
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 cttagattct aagagttcag actgggtatca aagtctcaaa tgtctactgt gggttcacttg 120
 tattcctgct ttaatcagtc ttttgaaatt cagtatgta ataaggtttc aaacaatcct 180
 gaaagtttga aatgtacaaa cattcaagta cagtttattt tctactttta aagaaaagta 240
 aaagaactac actgtcttaa tgggttttct gtttacaata aaagatatat caatgatttt 300
 aaaaataaga aaagcaaaat agaatcttag acaaaaaaac ctgtcataat gcaatgggtga 360
 aatataaatt taaattttct gagtaattgt tgaacatgta tattatgaga aatagcactt 420
 tgtaaacatt taaaatattt ttattgaaca atgtgggtgc cacataatgt cactatgaag 480
 tcactgactt ctgtgtattt tctcattttt atatatttaa atttataact tca 533

<210> 37
 <211> 667
 <212> DNA
 <213> Homo sapiens

<400> 37
 ataatgcata gagatttatt tgtatattag aatcctctat tgttttccag aaagcagaat 60
 gttaccaagt tttctataca gctttctaga aatcagcata ctattaggta tttattgtgc 120
 tgtttggtgt gtgtgtgaaa tatgtaacaa attaattatg gggatatatca tttctgtgac 180
 aatgattcag gctacttaga ttctaagagt tcagactggg atcaaagtct caaatgtcta 240
 ctgtgggttca cttgtattcc tgctttaatc agtcttttga aattcagtat gttaataagg 300
 tttcaaacaa tctgaaagt ttgaaatgta caaacattca agtacagttt attttctact 360
 ttaaaagaaa agtaaaagaa ctacactgtc ttaatgggtt ttctgtttac aataaaagat 420
 atatcaatga ttttaaaaat aagaaaagca aaatagaatc ttagacaaaa aaacctgtca 480
 taatgcaatg gtgaaatata aatttaaatt ttctgagtaa ttgttgaaca tgtatattat 540

```

gagaaatagc actttgtaaa catttaaaat atttttattg aacaatgtgg ttgccacata      600
atgtcactat gaagtcactg acttctgtgt attttctcat ttttatatat ttaaatttat      660
aacttca                                           667

```

```

<210> 38
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (230)..(534)
<223> n = a, c, g or t

```

```

<400> 38
ctttccata tcctccctac cttgttatct tttttattgt aactatccta gggtttgtga      60
taaggatgca aacagaaagc tggaggtcct caggaccta gtgaatgaag ttgtgtccta      120
ttttggcttg attttggttt tccgtgtgca tagtatgaca tgttgcccat gtttttatct      180
tttgggatct gtcactatca cattactttg ccaaagtgtta ggaacctgan nnnnnnnnnn      240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntgtag      540
gaacctgaat atctaaatca agctttaaag aagcatttgc tagctatgct caatgtttca      600
tcttcactgt aataataaaa tagattgaga aaaatgcttt cttttaaata aacgtaagta      660
aaacaatttg aaaacgtttg ttcttatcaa acagcctttt gttcccttga tattttatac      720
aaaatagtag atagcagagg ataagttcct gataaggaat cagtattttc tagcaggaaa      780
agctagagaa caacaacctc                                           800

```

```

<210> 39
<211> 748
<212> DNA
<213> Homo sapiens

```

```

<400> 39
tagcattgtt attactcata acatttttaa aaatatactc aagggtggag atttttttaa      60
aaataagtgt tattgcttca tcaagaacag ttaaataaaa ctggattttt taaactgagt      120
ttgagttaat gaagaatgca gcaattatta gtaaaatttg gtgctccacc ttgattcata      180

```

```

ctgacactcc aggagtttta cccactattht cttttgtacc tttagtgcaa atgttaatat 240
ggttaggaatg gtaaatgaca tcttttagtat tattataaaa aatcgttttt accctgtata 300
ctctttgaga ctacacattg agaattgctg atgaagggtg ttttaatttat cataagcact 360
gaaaagattt acttaattca ccaattttct ctgaatattt gtttatataa aacaagacta 420
tgtgtatata cctacctttt tattaatggg agagatctag gaaaattaat ttctaagaac 480
tagccaggat atttggaatg tgaataaatc atatatccag aaaaaagctt tagaagattg 540
tctatggatt gaaagtccaa acagctctca tttctattat actgttcttt ttcaaagaat 600
ttaccaattt tatgtggtat ttatgattaa acatacacca tgtaatttaa catttttaat 660
gtcactttta catcataggt attaaagatt agcattttta ttgtctgtat tttaaagctc 720
aaagaataac atttaggctg ggtgcggt 748

```

```

<210> 40
<211> 612
<212> DNA
<213> Homo sapiens

```

```

<400> 40
tagaggtaaa catttttgct taggagtgtt ttacatgcca atcacttttg gcaaaatttg 60
ggttagaaact acacattata aaaccttggt ggaaatacat taaggcagtc aaatgcaaag 120
ccccagaatg atagaggact acttggtgct agatcagcat gctgtgtggc gctggagaag 180
gaattcattt cggtttaggc aaaagccaag ctatctgagt ttatactaca taaatttttt 240
catgacaaga gttgaggtca atgttttgaa gtgataaatg ggtgaaggta aatggctgta 300
tcaaacaatt atcaggttcg gaagactaag gaaatcaaca gaaacaagta aaaacgcact 360
gcgtttgctg acacaataaa tattgctgcc taataaaaca gagctgagag aggggtgtatt 420
atgattgcat atttatgggt tgctgtgttc attgatgac ttttagtaaa taatttggtg 480
aaaagaagct ttcagtttaa attttgactc agttgtagat ttacaaatgc agtgtgtgtg 540
tatgtgtgtt taatcttctt ttgttattht ttcttatctg tgtaatgtga gtgaattatt 600
ttatcttate ta 612

```

```

<210> 41
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 41
tagatttaaa agtcaattat gaattggcta aggggattgg agaactctgg catgtaatac 60
gcctctcatg cttctatttg ttaccaaatt tctggaatga gaaagtgtcc atgatgggaa 120

```

atagcccaca gaagtaccat accattatta aaccgaccag acggaggccc taggtcactg 180
 ggatacgagc aaactgtgct ggggttcagt ggggtgggta ggaggctggg gaga 234

<210> 42
 <211> 823
 <212> DNA
 <213> Homo sapiens

<400> 42
 atttaaaagt caattatgaa ttggctaagg ggattggaga actctggcat gtaatacgcc 60
 tctcatgctt ctatttgta ccaaagtctt ggaatgagaa agtgtccatg atgggaaata 120
 gccacagaa gtaccatacc attattaaac cgaccagacg gaggcctag gtcactggga 180
 tacgagcaaa ctgtgctggg gttcatgtgg gtgggttagg aggctggga gagcatgaca 240
 ggggatgtgc agacagacaa ataaatccga taataaagca gaagctcaga actgtccaaa 300
 atgatgactg aaagccagca gcccaaggag aggctgctct taacagccag cccccaacgc 360
 ttagggctgt gctctgcacc aacctgccct agtgtcctgg ggagggaacg taaacagttc 420
 agcgctttct atttaactgc aaagtgtca tcttctgagt caccgaggca aagaagcagg 480
 ctggaaagta gtaataatcc aatccaacag aattatctgt tgaacagaaa atcccccttg 540
 gaatttggtg ccttggaaacg ttccaaatgg aaaatgagag ttttcagggtg ggaaagcaag 600
 gcatggtttc atgagtcagg gtgactctgc gtttgcatga agggccgcag aaaagcagat 660
 tatgttaacc ttgaaattag ccaggagcga atggcaaatac tttgttaaca agcttgaggat 720
 ccacgataaa ttttaaaagt gcaccgcaat gagcatctgt aataaatctt ccgttgccctc 780
 ctggttcagg tctggacctg aaaaggataa aggggccggg cgc 823

<210> 43
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 43
 aaaaaggagg aacaacatca catttaagct ttctccttgc caaatataat aaaagtttta 60
 aaaggacagt cttaaagtta tctcattagt ttacttcctt tcaaaaacac accacatacg 120
 tatgactctt aaagttgttt gggacaaaaa atgagttacc atttaattac ctctgaattt 180
 tcatcacaat cagatgggtt acttatattga ccttttctcc taaagctctt cttggaatat 240
 gtcaacaatg tgtaactaca ggaataatg ccaaggaaga agcttttctt gccttgagtt 300
 acaggcttgt tcttggtaaa attacttacc ttgggttggt ttgttttttc tctttatttt 360
 ttttccagc taaatctgat agagcagata tacaagttag cccttgggtt attaatagata 420


```

aatggaaaaa cttaatccaa aagtagaaaa tgaaacgata ggtaccttgt agatttaatg      480
atttttaaaa gttattttgg tgctgctggt tgttatctcc ctctcgcggt ttgcatgaaa      540
agacatagtt taagtatttt attaagagaa gattgaggcc aggcacagt                    589

```

```

<210> 44
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)..(165)
<223> n = a, c, g or t

```

```

<400> 44
taggaaaagg ttaagtagct ttcagagta tagtaattaa tcacttaaag attttatcag      60
ccatctaagc aacagccttt ctgccaaaaa taaggtagaa gccttcattc ctttctcctt      120
tatctcttcc actnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnggcaa ttgcagggtat      180
attcttgttt ctttttttta tcagagctca tttagggttta ttgccattt ttctatctaa      240
gaaaagagct actggccaga ggatattgat attacttcta aaatgaatgc cattcttgac      300
tgtcagtcct ttgaaaattt aacttttagtt tttttggtct tggcaaagac ttgttgattt      360
ttaaattggg tgtagaaagt tttcttagag ttgtagaatt tttgagttgg aaaagacctt      420
gggagtcaca tagtttcttt aataaaattc ctgatagatg attattcaac ttgattaaag      480
tagtactatc tgctctgaat taaaatttag aacaaaaatc acctgccgtg ccactacaca      540
tggacataat caactgctaa attatgattt gttttcttcc agttactttt ccaattattt      600
tacatataca aatattttct tggtagaaga acaaaagtgg cactattca                    649

```

```

<210> 45
<211> 273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)..(115)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (160)..(160)
<223> n = a, c, g or t

```

```
<220>
<221> misc_feature
<222> (196)..(197)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (205)..(206)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (209)..(209)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (213)..(214)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (234)..(234)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (238)..(238)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (243)..(243)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (255)..(255)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (259)..(259)
<223> n = a, c, g or t
```

```
<220>
<221> misc_feature
<222> (269)..(269)
<223> n = a, c, g or t
```

```

<400> 45
atgttattgt ttttcttttg actacttggt ggatgtttct ccttatcttt catttttagt      60
tgtttgactg tgtgtgaatt tcattgtatt tatcctgttg gaattcattg agctncttaa      120
tttcagggat ttaggatttt catcaaactt ggaaatcttn aggtcaatat ttctttgtca      180
tttctttttc tttttntttt taacnncna ggnncttaag ggcaatattt tttnaatntt      240
gtnttactgc attcnctcnc ccttcccent ttt                                     273

```

```

<210> 46
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)..(93)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (700)..(700)
<223> n = a, c, g or t

```

```

<400> 46
ctgttcttta aaagagtaac aatcatttcc tcaatagctt ttcagctctt catacccagc      60
aatagttctt aggttttata gctgatactt tgnatcatgt taattatggg tgacaaccct      120
gaacaacaac ccaaagcatc tatcagcacc tatccatcag tgattaactc agagtaggct      180
ctcaatgtat tttttgaata aatgcttata atcgattata atgaagatca caaattgtgc      240
tggaacctaa ccagttatag attccttgca tggatataag aatgataaga gttacaatta      300
aagtgttata aactgaggtt gtgtgtccta atccgaaagt attcttgctt ccatatagta      360
gagaaaattt tttgtgatgc agttacagtg cttaataaag cttcatatcat ggaaactctc      420
agtaaatgct tattgttgtc attattgggtg taaattaaat ctgaatatta gttcacatat      480
ttaagtggcc cttttggtat ccgttttcac tcttcagatt ttttttctct cattttttgg      540
ggggaagact cttctttttt tcaatgctgc tcaagatttt ctatttttta aattagagaa      600
ttttctatta ttgttgctac cttccttaga tgataaatca gtagcaagct gactgggttt      660
tatcaaaatt gatgttctga tattggagaa cacagaactn ttagatgtta acctgg          716

```

```

<210> 47
<211> 97
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n = a, c, g or t

<400> 47
 cttgccctg caagttttat tcttgagct cttatgagta cgtctatgat ctattttgag 60
 tatgatatga ggtaggggtc catttcattc tttngtg 97

<210> 48
 <211> 699
 <212> DNA
 <213> Homo sapiens

<400> 48
 gaactttttt tttccatgtt tcttgatcct atctgttgat gagggctgga agttcaagaa 60
 agtataaatt taaattatit taacctgaaa aataaagcca gagaacttga ttgaaaagca 120
 ccccaaagac tgtgttgaaa tctgcattgc aaatactgat ggaaacttat ccttgttttc 180
 tttgttttat gcattacttt accatcttgc catagtcatt agctttgcac ctatttaggt 240
 tacagcataa aatctaggaa ctccactttg aagggatcat ggttattctt aattagaaat 300
 tgtcaattta gccttaagta ttttatTTTT tgaaatgttt tatgataatg tgaagtaaac 360
 catgccatta tttctcattt ttcccttggt taacaaatta ggatatacaa atcttcaaat 420
 tacctttaag gcttgtaaac attcaaactt tttatccgtt agtcaagtta tttcataaac 480
 ccaacattgc ctctgaaatg gctttacaca caaagaggat tttaccataa aatgcttggtg 540
 gtgtttcatt ctcttctgat tttttgtagg ggaagggggg tggagagtag gcagagtata 600
 aattaatttg gatgggtgtg gtttcaaagt agcattccat gtaattctgc agaaagtatg 660
 ataaataaga aaatgggcca ggcattggtg ctcatgcc 699

<210> 49
 <211> 1364
 <212> DNA
 <213> Homo sapiens

<400> 49
 gtcatttgta gaggctagag gttagtggtta ttaataagat atctagttca gtcattattac 60
 ctaggcaaca ggtaatgttt tagatagtga atggtaggtt atttgatctc aaagaaatca 120
 atatgtgaaa taggatgtac ataacttcag aagttgactt gtgaagttcc tattttcttt 180
 ggctgggtcat taggctgcta agtagaatga ctgacttttg tatggttttc ttccacaata 240
 gtgctttttc tttcggttcc ctacctatga acttttctg aactttccta caagtttaaa 300
 aagttgttat ggctctctta tacagtagac atccaattct ttgttaactg gaaaaaagtt 360

```

tcagaagttt aaatttgaag taacaggaat tgggtccaaa tatttgttgt tgctcatggt 420
ttaaataagc gacattggat tatatcagca ctgggataat tccattagg tattatgact 480
gcaatttaca tgcaattgga aattagtgat tgagagggaa acagattgcc aaattatctt 540
ccaaaaaggt actccccact ccatatcctt gctaataaca agtattataa ttatttaaag 600
tcattgccaa cttgataggc aaaatattgt cttgttctaa tgttcatttc ttctattgtg 660
aaggcgaact ttttttttcc atgtttcttg atcctatctg ttgatgaggg ctggaagtgc 720
aagaaagtat aaattttaat tattttaacc tgaaaaataa agccagagaa cttgattgaa 780
aagcacccca aagactgtgt tgaaatctgc attgcaaata ctgatggaaa cttatccttg 840
ttttctttgt tttatgcatt actttaccat cttgccatag tcattagctt tgcacctatt 900
taggttacag cataaaatct aggaactcca ctttgaaggg atcatggtta ttcttaatta 960
gaaattgtca atttagcctt aagtatttta ttttttgaaa tgttttatga taatgtgaag 1020
taaaccatgc cattatttct catttttccc ttgggttaaca aattaggata tacaaatctt 1080
caaattacct ttaaggcttg taaacattca aatcttttat ccgttagtca agttatttca 1140
taaaccacaac attgcctctg aaatggcttt acacacaaag aggattttac cataaaatgc 1200
ttgtgggtgt tcattctctt ctgatttttt gtaggggaag ggggttgagg agtaggcaga 1260
gtataaatta atttggatgg tgttgggttc aaagtagcat tccatgtaat tctgcagaaa 1320
gtatgataaa taagaaaatg ggccaggcat ggtggctcat gcca 1364

```

```

<210> 50
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (35)..(35)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (153)..(153)
<223> n = a, c, g or t

```

```

<400> 50
aatatttgtc acgtcctctg cagggccctg gcagnagcag aggcggtgtg tactgccatg 60
cattcctggg ctgttgggtg attgacacat acaagacgcc agcggtcctg agagtcaggt 120
gccttctggg accccttggg gagcggagga gcntcctacg cgttctggaa gaattcacat 180

```

gctgatttgt aggcggcctg gccagggtgct tcggagactc cagcagcatc gaagc 235

<210> 51
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (388)..(388)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (404)..(404)
 <223> n = a, c, g or t

<400> 51
 ctctgaaatg gtctccttgg atcatgggca gagatggtac gatgggatcc cacccgaggg 60
 gtcccgcccg gtgctcaagg ggctgggacc agctgctctt actctgtttt tctacctttc 120
 tcagccactt ggaggaagag agaattttgt tacctttttac aggcaagacc actgaagccc 180
 tctggtcac agcaggaatg caggggccc tatggcaggc cggactccag gtcaggcctt 240
 ggggcagtga ggaagaaggt gcatgccagg agctgcctac gcgttctgga agaattcaca 300
 tgctgatttg taggcggcct ggccagggtgc ttcggagact ccagcagcat cgaagctcag 360
 atactctggg ggaagccagt caccattnca cgagggaagt tcanctaccc ca 412

<210> 52
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 52
 acttcctctg ccacctgctg ctcatattgt ttgccctctt gggccatccc cattgccacc 60
 acctctgcat gggctcccaa atcctgcctg gctgcttctt gtggtggctg gcaagcctag 120
 aagagaacat tcatccagtc agtcaacata catttcctga gcaccagatc tgggccaggg 180
 gcagggtgta gaagatctgt caggcacagg cctggccccc agaggcacag tgttttgaag 240
 ggtagggtcaa ccatgagtgg tgggagggca gtggggccta tttattgggg gcacagagga 300
 ggaaggctta tcctccaag gaggtgaaat gctagtaaga gttaagttga gtaaggttgt 360
 ttccacgaaa gttgtttttt agctggagaa agtgatcagt ttggattctt acacgtacta 420
 gatgctcagc gaggccttga atgggtggcac tggttctcaa agtgtgatcc tcaaaccac 480
 atggatttcc tgggaacttg tta 503

<210> 53
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 53
 acttccctctg ccacctgctg ctcataattgt ttgccctctt gggccatccc cattgccacc 60
 acctctgcat gggctcccaa atcctgcctg gctgcttcc tgggtggctg gcaagcctag 120
 aagagaacat tcatccagtc agtcaacata catttccctga gcaccagatc tgggccaggg 180
 gcagggtgtta gaagatctgt caggcacagg cctggccccc agaggcacag tgttttgaag 240
 ggtagggtcaa ccatgagtgg tgggagggca gtggggccta tttattgggg gcacagagga 300
 ggaaggctta tccctccaag gaggtgaaat gctagtaaga gttaagttga gtaaggttgt 360
 ttccacgaaa gttgtttttt agctggagaa agtgatcagt ttggattctt acacgtacta 420
 gatgctcagc gaggccttga atggtggcgc tggttctcga agtgtgagcc tcaaacctac 480
 atggatttcc tgggaacttg ttagacatcc aaattcttag gctctatccc taatccctctg 540
 catcaatact aagagatctc ttttataaaa ccccttcagg tgattatgac gccgcct 597

<210> 54
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 54
 ctcacataca ctgagtatgg ttatatatca ggaactttat gatattttat tcaactgattt 60
 cccctttttt ttctcctgag gatttaagat agaggcactt gccatgcatg attgcatttc 120
 atcctcacga cagccctgca aagtagggaa ctgaagtttg gggcaagtca catagctagt 180
 gtgatgtgga gtcaggattc caacttgcta tccctatctg ttgcttttta tattttctat 240
 ccttatctga tgctcttcc caccactcat tcttttccca acatacctag ctctttcatg 300
 cctccaagct cttccatgac ctatccctga agcagttata tccactgcag gatatgtctc 360
 tgcaggaatc tgctgaccc ttatggccca gtttagctga agtcttactg ctgtgggtga 420
 cttctctaac atgctctgca gaagaggcaa agcatttctc atttttttgg tgcatgttct 480
 ct 482

<210> 55
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 55
 gctggggtca tatattatct ctttattccc agtactagaa tggcacaaga tacacaggag 60

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tgtagtaatt ttgactgaac gatcaaatga gtgaagccaa aagttatatg atgcagtggg      120
taagaaccca ttctttggaa ttcaaattgt ggttctggca catattggct atgtgacttg      180
aacatgttac ttatcttctc atcctgaatt ttctcttctc agaatggagt tgtgagtgtt      240
aaaatgagac catgtaagta agacatttag catagtgcct agcacatagt atgcacttga      300
taaagggtgct gaaaaccggg ggatcctgga gtaaagacta ggcttgccc aggacagtga      360
tctcccgaaa cccctcctca ttgttttgtg aatgcgtagg cagtgatgca gtctgttagc      420
aggagagatta taatcttgtt tggaaagtag aattacatcc acattaaaca gtcagagaac      480
tgtgaaggta gtttgaccac atccaataat aagatgtaga gaagagaaga cagctcaatg      540
aaggcttttag ggaggaggtg aggcttgaaa gttaaatagg atttgggttt taggagaaag      600
gaataccagg agaccatatt aagaatgact taggccaggt      640

```

```

<210> 56
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<400> 56
taggtttaca cccaacagaa acgcatctat atgtgcacca gaagacacat tcgagaatgt      60
ccatagcagt ataatttata atagtagaaa cattcagatt ctaataagag tggaaatgga      120
taaataaatc ttgttataat ttgtaacaat ggaaatatta acaataatga aaataaacia      180
gccagacatg gtgcctcacc tgtaattcca gtgccttggg aggaccaagg tgggaagatt      240
gttcaagccc tggaga      256

```

```

<210> 57
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (76)..(76)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (79)..(80)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (84)..(84)
<223> n = a, c, g or t

```



```

<220>
<221> misc_feature
<222> (89)..(89)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (93)..(93)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (97)..(97)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (183)..(183)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (279)..(279)
<223> n = a, c, g or t

```

```

<400> 57
ccgagcccgg cccatgtcag ttattttaatc ctcttgaaag tctgtgaggt tgctgttact      60
ctccccatta aaaaanaann aacnaaacng aanttcnttt ctcaccatcc tggaggctgg      120
gatgcccccc attttacaga tgaggccagc aggggtgaaa gcaggtagag aggtgttggg      180
ganatgtcat gcccagggtc gctgtctcct gagtgcacag cttttctgca aaacctcctt      240
gcctccccag caaagctgtt tcctccctgg ggaggggana gtactgattt ccgcctttgg      300
aggga                                           305

```

```

<210> 58
<211> 236
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (14)..(14)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (71)..(166)

```

<223> n = a, c, g or t

<400> 58
 tgaatgggat tagnaacaac tttcctaaga agaggccaga gagctagctc tttccaccag 60
 gagaggatac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntttc tgccctctgg 180
 ggccaattcc accactccct ggaaagtgat gtgatgaccc tgggcttgag tccaaa 236

<210> 59
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 59
 gcaaccagct tgcaaagtgc ttgaatatct aacaattagc ttctgctagt tgcgccacac 60
 accaccttaa caggagccat tttgtaggag tgggtggagat tggagtagat ccataagaaa 120
 tgaaatgaga attggagaca gtgagtacag acatttttaa ggagttctag tataaagaaa 180
 taagggtgga actgaactat gacatgtagt caagattttt ttttgtattt ttaaataaaa 240
 aaatacagtg gcatgtttgt atgcagatga gaatgatcca attagagggg gaaatcaatg 300
 aaaaaggaga aagcagggag aattgctggg gtgaagtccc tgggtgggaa agaggagggg 360
 gttctaattgc ataggagag ggtagtttca tctccagtaa cagtgtagta atagcagaga 420
 ataaaagtag ccctgtccaa ttaagtgtaa tgtgagccac aaagacaatg taaattttct 480
 agtagccaca ttaaaaagta aaacac 506

<210> 60
 <211> 2062
 <212> DNA
 <213> Homo sapiens

<400> 60
 tttttttttt ttgagacagt ctggctctgt tgcccaggca acagagtgca ggggcatgat 60
 ctccgctcac tgcagcctcc atctcctagg ttcaagcgat tctcctacct cagcctcccg 120
 ggtagctggg actacaggca cctgccacca tgctggcta attttgtatt tttagtagag 180
 gcggggtttc atcattcttg gccagactag tctccaactc ctgacctcaa gtgatccact 240
 ccaccttggc ctcccaagag tgctgagatt acaggtgtga gccaccatgc ctggcgtgtt 300
 ttacttttta atgtggctac tagaaaattt acattgtctt tgtggctcac attacactta 360
 attggacagg gctactttta ttctctgcta ttactacact gttactggag atgaaactac 420
 cctctccta tgcattagaa cccctcctc tttccaccc agggacttca cccagcaat 480

tctccctgct	ttctcctttt	tcattgattt	ccccctctaa	ttggatcatt	ctcatctgca	540
tacaaacatg	ccactgtatt	ttttatttta	aaaatacaaa	aaaaaatctt	gactacatgt	600
catagttcag	ttcccacett	atctctttat	actagaactc	cttaaaaaatg	tctgtactca	660
ctgtctccaa	ttctcatttc	atctcttatg	gatctactcc	aatctccacc	actcctacaa	720
aatggctcct	gttaaggtgg	tgtgtggcgc	aactagcaga	agctaattgt	taaatattca	780
agaactttgc	aagctggttg	ttaaactggt	tgtagctgga	aattgactat	gatgggaata	840
tttccacagg	gaaatttagt	aaacactacg	aatcaggatt	ttgctgttgt	cactgctttt	900
cagagagcca	gtttaccagg	acaccactga	ttgaaagtca	ccaatgactt	tcacctgact	960
cagtgatcaa	ttacagtctt	cagcttaact	aattttattgg	cagtatttga	caacaaactc	1020
tttatctgac	aaataaactc	ttcctccttc	ttaagttctt	tcttcactag	ccttttgggg	1080
cactattttc	tcttatgttc	tctccctcat	tctcctctgt	ctccttttct	gcttccactt	1140
catctttccg	acctctagat	attggagtgt	tagcactctg	ttcaaacgcc	tcttcttttc	1200
tttagctata	cttctgctcc	aggtgttttc	tttcagcctt	ctagccttaa	atacataaat	1260
gtacactttt	aagccagccc	ttgcgcata	attccagctt	acttattccc	ctgactactt	1320
ggcctctccg	cttggatgtc	taataggcat	gtcaaaactaa	aaggtccaaa	atgaaacttc	1380
agttctctcg	cctcttcttt	cctcagtaac	caaaaatgac	actccaacaa	tatccctcca	1440
gctcaataaa	tggcagttct	agctgcacga	gtcacacatt	ttgagtgatc	cttgggttcag	1500
ttctttcttt	gacaccctac	atccaacgta	ttggcactac	tcttggctct	gactttaaaa	1560
tatatctaaa	atccacactt	ttccccactt	ttactgctac	tagcttgcta	gtagctagta	1620
actagctcca	agcaaccatc	acttccaact	tgtgcaacta	tgcaataaac	tatgcaacat	1680
atctccatac	aatgtagacc	cagagtaagc	ctataaaaaat	gagctagatc	ttcttatact	1740
tctgcttaaa	acacttttgc	gctgtcttta	cttagaataa	gaccaaactc	tcgtattgggt	1800
ctacagagcc	ctacaaggtg	ttcctgctac	ctctcagaac	tcctctccca	tcaactccac	1860
ctagtttact	ctggctctgc	tagagcctcc	ctgcaattcg	ctcagagact	ttgcacttgc	1920
tattccctct	acctgagaac	tcgttatcca	gacagtttca	cggctcgctc	ctttacttcc	1980
tgcaggcccg	ctctgcatga	aattaatccc	ctccatggca	cttatcacco	tatggcacac	2040
tacagtatta	cctgtttatg	ag				2062

<210> 61
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 61
 gtgaggatca caaactacta aaacagaaca attaactctg gaaacctttt gatgattaac 60
 tttattgggt gactacagtc atcccccttt atctgtgaag gactgggtcc aggattccac 120
 acag 124

<210> 62
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 62
 cataattcct tcagtctttg ttaacagact ttagagatca caaatgagag tcacaagaga 60
 gaaagcctgc agggattgtc tgtcttcctc caaagaggaa aatcatgggtg aatattttga 120
 aaagctttta attaaagcaa gtgattcttc aaagatttaa gtcctttacc tagcagtagt 180
 ctgtgacaat tgctacagtg ttcccagtgga gaatatggta catttgagat gacaaagact 240
 aggaaccact actcccgagc attttttcat tgccattaaa atgcattgct ttgcctcctt 300
 agtaaggaag tcactgaaca tttgagcatg tacatctcag taaaattcaa ttctaccaac 360
 attgtagttg tcggcttagt aaactgaact ttaaagggtt ttctattttt gtgggattgt 420
 gaggatcaca aactactaaa acagaacaat taactctgga aaccttttga tgattaactt 480
 tattgggtga gtacagtcac ccccccttat ctgtgaagga ctgggtccag gattccacac 540
 a 541

<210> 63
 <211> 1040
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (649)..(649)
 <223> n = a, c, g or t

<400> 63
 gaagtcctag atggccccct tagagccaag gagcccgatg ataattgaga actggaatgt 60
 gttacagacc ttgtctagga gggatagaaa aagaatatgg gtttaaagaa gagatggaaa 120
 ctgttaagta gaggacacat tatggtttac tttttaacct tgcttcccca gttttccctt 180
 tccttgcatg tgatagtaga atatttttagg gcaggatcat atgtgggtgt tagattaagc 240
 cattgggatg agaagggaga aatggcaaga gtattttcct tcattacttt attatttatt 300
 ttccttttcc tgaggtaagg aaggggatat aaagaaatgg cctttatggt tcccacgggtg 360
 atagggatga acatacaata ttctctccct tctcaccaca gcagctccct gtctgttact 420

```

gcagagcttg aggtgactgg actgtctccc aggttactgt agggattgca gtgctggaga      480
agagaggccg ggcaagggga acaaggagca agggaattcc ctagtggttt ttgtgggaaa      540
gaagcggaga gtttctgcag ctgcctagct agggctgcag tattatgtaa tgccttcttg      600
cataagtcag aaaaacacaa ttctggtaaa ttttttaatt taaaaaana agaaaaaaaa      660
acttctttaa agcttgagag cttgccctag aggtctttct tttgaaacca gtacaaaaaa      720
cagactttga tttttttatc cttaaattat aatgatataa ttctactttt tttttacagt      780
gatctaaaca atctgaagaa cagaacttac acctttccta ataaaaactg caggttttgt      840
gttaaattha aacatatacc taaggatgaat gaatttagta gaattagcag gttattcaca      900
gtttcttata agcactttca tcacatgggc tgaaatcctt ccacattaga cttacattaa      960
gtacctcttt ctatttggtt tacatttggt aacttgactg caggtaacct ttatccatgg     1020
tgcattttgt ttggtctcca                                     1040

```

```

<210> 64
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (184)..(184)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (187)..(187)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (189)..(189)
<223> n = a, c, g or t

```

```

<400> 64
gccaccgtgc ctggcAAAA aaaacacatg tcttatagtt gagtatgggt ctagtatttc      60
ttcatggcag agccctggag aaccgcgagg ggaacagttg agggaatgta agaaggactc     120
ttgattctgg cacttaactc ctgtgtttac taagtttggt atagctggat tttttttttt     180
tttnggncnc ctagaagcag gagagggcag agataggggc agacttgact tagcaaggtc     240
ttaactgtta acatttttca gccagagag ctgccttgct ctctaaaaca gttacttgtc     300
ctggttcact c                                     311

```

<210> 65
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 65
 ccaccgtgcc tggccaaaaa aaacacatgt cttatagttg agtatggttc tagtatttct 60
 tcatggcaga gccctggaga acccgcaggg gaacagttga gggaatgtaa gaaggactct 120
 tgattctggc acttaactcc tgtgtttact aagtttggtta tagctggatt tttttttttt 180
 ttttggtcac ctagaagcag gagagggcag agataggggc agactttgac ttagcaagggt 240
 ctttaactgt taacattttt cagcccagag agctgccttg ctctctaaaa cagttacttt 300
 gtctctggttc actcttccat gagtagagga cagttacctt tgtgtgcagg tggacgttcc 360
 tttcaccctc ctctcttctt gtttcctcag agccaggact gtctccagtt tggctctcct 420
 gctgaagggg aagtgggtcca ggccctggaac cgtctcaaga cagtgtgtgca ctggccccag 480
 tccatagagg ggtcaactat gctggctgga ctggctgcct tgttcttggc ctaggactta 540
 gcttcataac tctc 554

<210> 66
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 66
 attacaggca tgagtcaactg taccagcctg attttgtttt ttaatggtat tatcttagtt 60
 tgggttagga gtatggttct gctagcctta taaaataaat tggcaagctt atcatcttct 120
 atgccccccc ccaaatttga ataataaagg aattagccgt ttctgcaaga tgtgttgaac 180
 tcatttatac aactatctgg gtttgctttg gaaatagctc ttgattgct ttatcaattt 240
 ccttttagagt tatcttttca ggtttgctac tttctcagga aacaatttgg ataatttata 300
 cttttcaaga aaatcaacca ttcccttttt ctgaatatat tgctatagag ttgtacatag 360
 tatttcttat aatttttgta aaactcctaa tattgtcaat agtgcagttt tagtttctga 420
 cgatatatct taccttccct ctcatcctca gatgagactg gctgtgctgt tttggcatac 480
 atcttacatt tatatatggt ataagcccca cactaccttg tttttgtag gcagattctt 540
 aaaaaatatg aaattatata gga 563

<210> 67
 <211> 658
 <212> DNA
 <213> Homo sapiens

```

<400> 67
gagtgaagtg aatcagagag agattgcaag atggagaaaag gaggtacagt tggagagagt      60
ggaggggggca ggaaagacca gacagagctg catctcccat gaaaacaact gtgtacatat      120
gatagagtga gtacatagag tacatagaag agtgagctct gaaagaactc tcacatggac      180
cccagaaaga ggagtactca acgcctgctg cacagaaggc atcagcagtt aagtactggc      240
tagaaaagca gagtccatca aaggagagga ccacagtggg agctgcctgg taagtaccac      300
tgtccccctt ccttcttttc tccctcccca gctcactgga ggagctaggc ctcaggaagc      360
tggggaaggaa tggggagaat tcacctcggt gacagttcac gcctccctc cagctccaac      420
agctggagtc aaaggaaagg aagagtgcac ctatctctc cccattccaa gtccctttag      480
tgactagctg gacatgctct ggagaagagc aaaatgaggc tggaatttaa acaataccag      540
actttctaaa acacaatgcc tgggaagtta tgtgagggcat gtgagacatg aggggatgga      600
aaagggattc aacagagcat agttgaaatc aatgatttaa aaaaacaaaa aaactggc      658

```

```

<210> 68
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (6)..(6)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (8)..(8)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (74)..(74)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (91)..(91)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (228)..(228)
<223> n = a, c, g or t

```

```

<220>

```

```

<221> misc_feature
<222> (231)..(231)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (236)..(236)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (245)..(245)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (313)..(313)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (324)..(324)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (406)..(406)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (414)..(415)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (420)..(421)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (439)..(439)
<223> n = a, c, g or t

```

```

<400> 68
tgaaananag ataagccatt ctactatga cctgaccaa ttcctgagcc atagaatcca      60

tgagcataat tcanttgttt tattccaacta nttttggggc ttgttatgga ggaatggtaa    120

gtgggatagt ggccatgaaa tccatgtcat ttgaggaggc acaaggtaag ttcagaaaat    180

```



```

tcagctgtat gagaaaatgc ctcttgacaa acactggctt aaaaaaantt ntacanttta      240
gtgtntttgt acactcactt caaaacttgc ttctctaaag agaagcttcc ctgaaccacc      300
caagcagaag gngtacttc ctnatcctg ggtgttacca ctgtattgag gatacccctc      360
cattagtgcc cttgtcatgc tgttgacat gttaactcac atgtgntctc ttcnnttctn      420
naatatcttg cctaaatcnc ttatatcggt aaaggcactg aggttctg                    468

```

```

<210> 69
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (306)..(307)
<223> n = a, c, g or t

```

```

<400> 69
agctggtcca cagatcacac tttgagtagc aaagagctag cacacatata ggatcatcat      60
gaaggccaat ggactcctcc ccaccaatat catgaggggg gctatttgaa gaaccaaact      120
tttttttcct agagagaaat gaagtattat tggaaggatc tatgaaacta ttagactaga      180
ccaaatttta actagataag aaatttagtt catttgattt tctggtagct ggcaagtgga      240
agggagaggt gaacaattaa attggctgta aacaaaagta aaacattatg tttttttcta      300
atactnnata gtgag                                                            315

```

```

<210> 70
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (36)..(36)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (91)..(91)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (164)..(165)
<223> n = a, c, g or t

```

```

<400> 70

```

```

ttgacactta ttaagtatgt tataatttaa cattanaaat caatgtcaaa ataacattat      60
agaagctctg tgctcaattt ggcaaaatga ntttaacaat gagaattact catttgattt      120
gcatttttggg ttctagcttg gggattataa atgcaatttt cagnnttttt ttgtttttctt      180
tccaattttt ttgtatacca tgatttttcta ttgactc                                217

```

```

<210> 71
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<400> 71
atttttatac ctcagttgct tttcttttcc ttgttttcat acttttcttc catttatctt      60
taagtcaaca ttttggcaaa taaagaacag agatatttaa gcacatgatt caaataaaaa      120
ataacttgct tatttttggt tggttgtaat gtcttattct gtttttacag tcaattatag      180
cctctgatct tctgctacct gggtaggcac ctgttttctt attttataac tgtatttata      240
tagtaacatt ttagtttttt gttttcttat atctatatta gat                        283

```

```

<210> 72
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (178)..(178)
<223> n = a, c, g or t

```

```

<400> 72
ctggattccc tcagacacat atttcccctc tcactaaact tttatgaaga ttttttatta      60
aatctgtatt aaaggtttac ttcccttatga tgaagtaaatt gttcacagtt ggaccttatg      120
gagtattaag attacatttt atttcttgta acatttttgt ttgctgtttt tttcattngc      180
ttcttatctg tgttcacata acaaattctg tgtcatagct gtttacacta tggtcagaca      240
gatcaggtga ttgctcagtt ccatttttct cttggagact tcttttaaaa cctgtg          296

```

```

<210> 73
<211> 715
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (407)..(407)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (411)..(411)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (414)..(414)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (421)..(421)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (695)..(695)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (698)..(698)
<223> n = a, c, g or t

```

```

<400> 73
tagggccggc gtttctgaga aagggtgttg aaacacagga tttctaatat taagtgttaa      60
gtgttccatc ctcatgtctc aacctttgac ctctgtagat aatgacctca ccacatcctg      120
caatccttca aagagcatct ttctgtaaga tttattttgt ggacattcat tctccaggga      180
ggcttttgga ctcaaactcc tgagatttga gaaactctta gctgcatcct ggtgtcccag      240
ggaagaccag ctccctgtga gccacgggtgc cagttcctca ggctcttctg tcagggtctg      300
ggctttgggt tgctctcccg gaggccagtg ctgggggtta ggggtgtagaa gtgcctggcc      360
ctttgcccat ctgtctgctt acctattctg cagggtctgga gctgctntta nctnagggtg      420
nttttgtgtg aattagaaaa aggggcctca tcaaccaggt gagtagggag atgcagccag      480
cgccaggacc tgtggctctg atgagcgagt agaggcaggg ttagctcca acttgccctt      540
tgtggtcact tgtctagtga aatgcacatt ctgggcagtg gtacatgtgc tcctgtctgg      600
gtgccatccc cgatacctct ttggggaccg ctttctattg gtggttcttc cttcttcaaa      660
ctctccctcc catgatctgg aatttcatat cttanaanaa aaggaaaaat gtttag      715

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<210> 74
<211> 330
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (242)..(243)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (310)..(310)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (314)..(314)
 <223> n = a, c, g or t

<400> 74
 ctgtgaaagt aaggtaatgt tgaacaagta aattaatatt ttctctcctg gattctgatg 60
 tttcatttgc tttcctgctt ccccatcttc ttatagttat tggactttct ttggagatgg 120
 agttccagca gttgggaatg taatattctc ttatggataa agtagattaa aagtttaaat 180
 taaaatacgc tgtaaagtgt tgttactttc ctttgtgtac agtagtagta gtatactttg 240
 annagttgag ttccataggc ttaacttttg tggtaaaact gaatactaac taagggacta 300
 ttgaaatgtn agcnttgtgg cagaaagtac 330

<210> 75
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 75
 agcttgtgta agccaggatc aaaataacctg agacttggtg agacttgtct agactggttg 60
 ttaaactttc aaacctgttt gggaagaagg cttggaacaa cagtgggttt ggggtcttggtg 120
 aagtaaattct tatttaaagg aaatagacaa aagcttaatc atgtttaatt tgtaacatta 180
 taggtaagac tgttggttgc tgttgtaatg actctaaaaa agaatagaga atattttttt 240
 ccttagaag 249

<210> 76
 <211> 913
 <212> DNA
 <213> Homo sapiens

<400> 76
 tttttttttt ttgagatggc gtcttgcttt gtggctcagg ctggagtgca gtggcgcgat 60
 ctcggtcac tgcagcctcc acctcctggg ttcaggtgat tttcctgcct cagcctctcg 120

```

agtagctggg attatagaca cctgccaac acacctggct aatttttgaa tttttggtag 180
agatgggggt tcatcattga acctggaact tctaaggaaa aaaatattct ctattctttt 240
ttagagtcac tacaacagca accaacagtc ttacctataa tgttacaaat taaacatgat 300
taagcttttg tctatttcct ttaaataaga ttacttcac aagacccaaa cccactgttg 360
ttccaagcct tcttcccaaa caggtttgaa agtttaacaa acattctaga caagtctcaa 420
caagtctcag gtattttgat cctggcttac acaagctcaa attgaaggag ttttactgca 480
gaagcccatc cagccaattt atgcccctgt tccccactgg gaagcaaaga tgatttggtt 540
cctgtgtccc catctggcag cctcctaagc tcagcactca gccaaagaac acagattaca 600
actgatttgc taacagaagc ccacatgctt ctttttagtcc atttttaata accctctgga 660
aactacagag tggagggaaa catacagagc actataaaac aaacagcact tttgactctg 720
gaatcattta cttttttaag gtaaattaaa ttaaaatgtg aggacataca attaaaatcc 780
aggaccctgc cttcctacct ttatttaaca atatttattg aggccttact gtgccctatg 840
ttagactcta gggtaaata caacaagtgg ccagagatgt gtatgtatgc aggggtgggg 900
gggaatgtgc ttg 913

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<210> 77
<211> 565
<212> DNA
<213> Homo sapiens

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<400> 77
cggggctaga aagccgaagc tgagattcaa tcccagaggc cagctggatt tgggagacct 60
caaatgccag gtcaggcata agttgcactc taccacatc accaagtgtc cccaggaaag 120
cagaagtgtg tcctcttccc tttccaggtc tcacttcctg ctgcacatgg gctagggctg 180
aagagttcca gtgggagggg cacagccgtc ccagggaaaa gagaagtggg agcaggcatg 240
gggagaccaa ctgtctgtac ccatctcttc tctgtcctgg tagaggttcc tcttctctgc 300
tgtcactgca ggtcagagag caggcatggg gacagcctca cccctctctc gtaccaccca 360
tctgccccca ctctcccca ggtctcatgg tgggtgtcatc tcctccatg ggggtgtgtg 420
actttgggca agttgtgaac tctctgggcc ttgggtccct gtctgtaaaa tggggatgag 480
aaaagaaatt gacccataa ggtggtagtg cgaagtcaat gagttcatcc agtaatgtgc 540
ttgacagaga gcttgggtaca tatatt 565

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<210> 78
<211> 725
<212> DNA
<213> Homo sapiens

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<400> 78
 cgggggctaga aagccgaagc tgagattcaa tcccagaggc cagctggatt tgggagacct 60
 caaatgccag gtcaggcata agttgcactc taccacatc accaagtgtc cccaggaaag 120
 cagaagtgtg tcctcttccc tttccaggtc tcacttcctg ctgcacatgg gctagggctg 180
 aagagttcca gtgggagggg cacagccgtc ccagggaaaa gagaagtggg agcaggcatg 240
 gggagaccaa ctgtctgtac ccatctcctc tctgtcctgg tagaggttcc tcttcctgtc 300
 tgtcactgca ggtcagagag caggcatggg gacagcctca cccctcctc gtaccaccca 360
 tctgccccca ctctcccca ggtctcatgg tgggtgtcctc tcctccatg ggggtgtgtg 420
 accttgggca agttgctgaa cctctttgtg taagaggcac catgactgca acttcattct 480
 cccctccatg tggggcttct ctgtcttcag catcctgtga aagggtcaa ttctgcaata 540
 ttttaggggt tcattaaaag gtattttatt gtggctgcct taaagacagc ctttgaacaa 600
 gtgaaaattc ctcccgctat tagaatgata accactgaac aaagtgtcc caagtacatt 660
 ccaccatctg agcttcacca ggactctggg gaaaggtgct cctatgccta tttcacagaa 720
 accca 725

<210> 79
 <211> 723
 <212> DNA
 <213> Homo sapiens

<400> 79
 cactaaccag gcaccagct catctcaact gctcccgcg gcttctcaga gcagaaacca 60
 tgctgccag actgggaggg agaagagcag ccttgcagcg tctgcttggg ctgaggcctc 120
 tgctcagggt tcctgggaga ggccaacggg aagctgctgg ccctgcgcac ttgtcagcaa 180
 gaccgagggc aggaacctgt tcagggtgctg agcagacaca cgagacaatg catttatttg 240
 gggcacactc attttatcgt ggtagatacc ctacgtgaaa ggaaccagta cagagaaagg 300
 acaaggaaaag aagccagcat ttatgagggc cagctgcatg ctgagcacac acagctgcct 360
 tgcaggatgg gcactgttat cccattgcag agatggagaa gccaaaggtcc ccctggacag 420
 tgaggttata tccaactgtc caccacctgg gggtaggtta aatattggga gagccatata 480
 atggaatacc acgtagctac ttcaggggac acgacattgc taacacttcc ccataccttt 540
 aaatatacat taggtgggga aaaaaaacag tatgaataat tccattattt taaaaatgtt 600
 ctattgcata tatatttata tgttttctac tgtatatatg catatatgtg taaataaaag 660
 gaggtagaaa aattaatctt aaaagaggta tactaaaatt taacagtgat ttttcatatt 720
 tct 723

<210> 80
 <211> 958
 <212> DNA
 <213> Homo sapiens

<400> 80
 caagaaatag atacaaggct tatattatat tgtgcctaac acggccagca cttgacatcc 60
 actgtgacga aaaccttaca caatccaatt aatttggggg ttgtggggag gttctaggag 120
 ggggacacac ggagccgcag atgtgaataa ctgctagatc caagtgctcc gcttagatgc 180
 tggccgcagc ctacaggcga gacgccacat gtcaggcccc gaaaggtggt gcagacacta 240
 accaggcacc cagctcatct caactgctcc cggcggcttc tcagagcaga aaccatgctg 300
 cccagactgg gagggagaag agcagccttg cagcgtctgc ttgggctcag gcctctgctc 360
 agggttcctg ggagaggcca acgggaaget gctggccctg cgcacttgtc agcaagaccc 420
 gaggcaggaa cctgttcagg tgctgagcag acacacgaga caatgcattt atttggggca 480
 cactcatttt atcgtggtag ataccctacg tgaaaggaac cagtacagag aaaggacaag 540
 gaaagaagcc agcatttatg agggccagct gcatgctgag cacacacagc tgccctgcag 600
 gatgggcact gttatcccat tgcagagatg gagaagccaa ggtccccctg gacagtgagg 660
 ttatatccaa ctgtccacca cctgggggta ggttaaatat tgggagagcc atacaatgga 720
 ataccacgta gctacttcag gggacacgac attgctaaca cttccccata cctttaaata 780
 tacattaggt ggggaaaaaa aacagtatga ataattccat tattttaaaa atgttctatt 840
 gcatatatat ttatatgttt tctactgtat atatgcatat atgtgtaaat aaaaggaggt 900
 agaaaaatta atcttaaaag aggtatacta aaatttaaca gtgatttttc atatttct 958

<210> 81
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 81
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 taggatagag ttgagcacat agtacacatg atgtgttagt tggtatcaac ttttcattat 120
 tgagtgtcaa ctaagggtatt cttgcaggaa tacctagttt cttccacatt attccagtcc 180
 tgggtaattt ccaatgctgt gtgggtcaaca acctctccag gccaggtctt ctgctttgaa 240
 ctttagaata gcaaattaaa aggagatggc ttgaaaaata ttatttttat aaaacaatgc 300
 ccagaggaat tgagtgtgct aaagacacca gaaaaaaagg attccttaaa gtaacagcaa 360
 atgatcaatt tttttaacca ttcttttatt ctttcaccaa atgtatatgt aatgctaaca 420

ctattagatg ctagagtacc aaagatgtgt acagtatcat tgccttaaaa atgatctatg 480
 ttaaggggca agagaagaga aacatataat 510

<210> 82
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 82
 ataataatca tacctaccta ttcatagtat cggtgtgtgg atttactaaa ataatgcatg 60
 taaagcatat aggatagagt tgagcacata gtacacatga tgtgttagtt gttatcaact 120
 tttcattatt gagtgtcaac taagggatcc ttgcaggaat acctagtctt tccacatta 180
 tccagtcct gggtaatctt caatgctgtg tggtaacaa cctctccagg ccaggctctt 240
 tgctttgaac tttagaatag caaattaaaa ggagatggct tgaaaaatat tatttttata 300
 aaacaatgcc cagaggaatt gagtgtgcta aagacaccag aaaaaaagga ttccttaaag 360
 taacagcaaa tgatcaattt ttttaacct tcttttattc tttcaccaa tgtatattga 420
 atgctaacac tattagatgc tagagtacca aagatgtgta cagtatcatt gccttaaaaa 480
 tgatctatgt taaggggcaa gagaagagaa acatataat 519

<210> 83
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (350)..(350)
 <223> n = a, c, g or t

<400> 83
 ataataatca tacctaccta ttcatagtat cggtgtgtgg atttactaaa ataatgcatg 60
 taaagcatat aggatagagt tgagcacata gtacacatga tgtgttagtt gttatcaact 120
 tttcattatt gagtgtcaac taagggatcc ttgcaggaat acctagtctt tccacatta 180
 tccagtcct gggtaatctt caatgctgtg tggtaacaa cctctccagg ccaggctctt 240
 tgctttgaac tttagaatag caaattaaaa ggagatggct tgaaaaatat tatttttata 300
 aaacaatgcc cagaggaatt gagtgtgcta aagacaccag aaaaaaaggn ttccttaaag 360
 taacagcaaa tgggtcaatt tttt 384

<210> 84
 <211> 519

<212> DNA

<213> Homo sapiens

<400> 84

ataataatca	tacctaccta	ttcatagtat	cgttggtg	atttactaaa	ataatgcatg	60
taaagcatat	aggatagagt	tgagcacata	gtacacatga	tgtgttagtt	gttatcaact	120
tttcattatt	gagtgtcaac	taagggattc	ttgcaggaat	acctagtttc	ttccacatta	180
ttccagtcct	gggtaatttc	caatgctgtg	tggtcaacaa	cctctccagg	ccagggtcttc	240
tgctttgaac	tttagaatag	caaattaaaa	ggagatggct	tgaaaaatat	tattttttata	300
aaacaatgcc	cagaggaatt	gagtgtgcta	aagacaccag	aaaaaaagga	ttccttaaag	360
taacagcaaa	tgatcaat	ttttaacat	tcttttattc	tttcaccaaa	tgtatatattga	420
atgctaacac	tattagatgc	tagagtacca	aagatgtgta	cagtatcatt	gccttaaaaa	480
tgatctatgt	taaggggcaa	gagaagagaa	acataataat			519

<210> 85

<211> 1286

<212> DNA

<213> Homo sapiens

<400> 85

gcagtgcact	ggaactgaag	gcaaggacaa	gattgattgg	aaatgtcagc	ctgtgctcac	60
ttttgcagct	gagctattca	aacttttgga	gatgcagatt	gcagcctgtg	ctggcctttat	120
tcattgcaacc	attggctggt	cacagtgtca	cacagtata	tgaaatgatg	gcaaatttag	180
aaaatctggg	aatgaaaaa	tggtaaagg	ctgtcctggg	catcttgcac	catgaggtag	240
ggctgttctg	gaatcccaa	gccctttcca	ccaaaggagt	ttagaattca	gagtcagaag	300
atagggcctg	gagtcctggt	tcagccattt	actctctgag	caacttggga	gtttcaggcg	360
gaggggaatg	cacatgcaag	ggcctgtcag	tttgaaggag	catggtacgt	tacaggaatg	420
gtagatagag	catacatata	gggcaggctg	agaggctgga	agggcttggc	ctttgaaatg	480
ccaggctaag	gaattttgga	ctttccctaa	aggaaagcca	tgggaaatgg	aaatttttaag	540
ggctggggaa	aggggaatta	gggatcagaa	ttcttaattg	ttaaatattg	ctcaccccaa	600
attgcagcgt	aagaaggaat	gggatagaaa	gggaatgtta	tggattcaga	gagatgggct	660
tagaaaccct	aagattcatg	gtagcagagt	cttcgagcag	gggcttgctg	gagcaaagca	720
gggtccccgtg	gagcaggttt	gtcttaaaact	cttggtgtct	ttctgaatgg	gtatcaaaga	780
ggggcttctc	gcagcctgga	tgaccggggc	tgcttctctt	tgctcttggt	cggtgagggga	840
cgcacgcctg	gctaacttca	tagaggccca	ggccatgggc	attgccagag	gctgagctag	900
acctatgctg	aagaaagcca	ccccgagtgc	cttggtccca	caggccttat	tatctgtagc	960

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tggtcttgaa tgctgtttgc atcattcact gtctaggggc cttacctgag cctgaagttg 1020
cacaaagtag gtcaggagct cctctgtggc gtgcctccac cccaccctt cactccagcc 1080
ttcaggaaag atctgtctca ccagaaacta ggagaagcta gaggacctgg gtccctgccc 1140
ctggaaggca aaggaatgca catgttatta ggacctgtt ccaacagcag tggtgtcat 1200
ttgttggtgca cctactatgt gtatgcacaa ggctaaatac tttctgtacg tttctcattt 1260
aatcttcaca gcagctcttc aacata 1286

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<210> 86
<211> 400
<212> DNA
<213> Homo sapiens

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<400> 86
gaaaaacatg atattttcat ttaagggagg ggtaaaacca agttaaatta aaacagaaaa 60
gttttaaaag ctgcagtaat actaagtcac agtgtagaaa aattgcaacc agaaatgtgc 120
taacactatg tgtttggaag tcattatata taagcaggca tgctttattg tgaatctttt 180
tacttattag tctttcagag aacagtgttt tcatgagtac taactctttg gctttgaaaa 240
acatttcttt tttattatga actcattcag aaagaattgt tacgtacgtt taactgtgta 300
aatcttatcc cttttcttcc atatttcttt ctagaagttt tagagtatgt ttcataatcc 360
tcttattctg ttctaacagc aataaaatta aggaaaaact 400

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<210> 87
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (162)..(246)
<223> n = a, c, g or t

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<400> 87
cgcgagacgcg tgggtggaaa ttatctctac agagaacctt aggaatgata ctagttctgt 60
cttacaacta gcataaacag gggcagatca ccaagtcggc cccaaagggc ctgtggcttt 120
ggctctggct ctggctcttc tctctaaacc aatgctactc annnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnaca aagtctgggt ccctaccatt ataattttaa aaccattgca tttacagaat 300
tateccactt gggtttttta tggcagtata ttcatacctt ggtataccac acacagcaat 360
ggaaaagaaa ctacagacta cacagaacat ggatga 396

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<210> 88
 <211> 288
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (251)..(251)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (254)..(254)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (266)..(266)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (269)..(269)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (273)..(274)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (277)..(277)
 <223> n = a, c, g or t

<400> 88
 gttcttgaggc actctgtgag acaaaaataa agatggcctc caaggcctcc attctaagca 60
 tggagtctct gggccatcag gagacctctt aaaattgcag gtgtcattgt aggtgtaact 120
 attaggtatt actatagtat tctatagtac taataccaat actataatat tataacttata 180
 ataatatata gttttacttt atgtattatc atatataatt ttaaattata tattataata 240
 tagtattgta nttntataag catatntant atnntcntat tatgtgta 288

<210> 89
 <211> 125
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n = a, c, g or t

<400> 89
 gacaatttat aattcaaagg gaagcagaac ataaagattt ggacatttct tgggccagcc 60
 atgtaaagaa tgaaaaagat ttggacaatt ttcagtcag ccatgtaaag gntaaaaaag 120
 tatgt 125

<210> 90
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (286)..(286)
 <223> n = a, c, g or t

<400> 90
 aagagcacaa ggtaatggta tctctagaat cttccagaag tgaagatttt agcttataat 60
 gcaccagttt atcagtgttg ggtgaggcct atagtcggcg ttggtaccat gttattcaca 120
 ggtgtctctc atcatgagga ttatggttgg ttttgccctt ggagacctgg tctacctgct 180
 tctgatagag gcttaactgg gttcagtgtc aagagggttca ctgtggtcca taaaagcaaa 240
 cagacaagct ctggcgagat agaagtgcta ctacttgga cattgntcct ttgtgaagta 300
 aaaagtattt gttg 314

<210> 91
 <211> 233
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n = a, c, g or t

<400> 91
 gccangggtc cggccacggg tncggaaagt ttgcacatcg ccatgtagct atgtgtgtag 60
 agtgtcagcc tccatacaat gttaactgtt tccaagtgat agtggtgatg cccaacctgc 120

agtttagctg tgagatttgg gccagtaatt gatgttacag cccatttagg gacgacttta 180
 attaacatca cctgtgagcc atgaatagcg caaacagcaa gtcaagatca tca 233

<210> 92
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 92
 aattatttga ctttacaact ttatgatatg tttgatgcat ttttagtact ttgtgtattt 60
 ttcattgtaa cattttaaat gactgttaag gagtttagagt gaccatccac agcacacatg 120
 gaaaaatgct gcttagaagc atgggacatt aataagtga ctgatattta tatcttagaa 180
 tttgtttact tttttgagaa tctcattaga aacctatgct gggatataaa attcttttagg 240
 cagatttcac taagtagagc caattgtcct ttgtttcttt tgctgaaccc agtattgcat 300
 aaaactgcc aatgcacaacc aagctgtagg ctgatggaaa acaacatcag ccaagagatt 360
 cacctagaag ccagctaacy gagctgggtt cccttttggt gtgaaggcat cagaagacca 420
 tcagctctag aaataaaaact gaaaaaaaaa aacaac 456

<210> 93
 <211> 374
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (243)..(243)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (329)..(329)
 <223> n = a, c, g or t

<400> 93
 catgccgccc ggacccccag cccaggacat catggtgccc agagagcgtg agccccaaagg 60
 gcattggcag gagctgccga ttccatctcc ctgggtgggt tccaggtggc acaggaaggg 120
 tgggccggga ggcttggtga cctgggagct gcccttgag gctatttcca ggggcctcag 180
 ggtggggcgt gggggatttg gagtcttctg cctgtgcagg gtcaggcagg gtcggttggg 240
 ggntcggagg tagatgccat ggtatgctgg gcagcaagtg gtcaggaag cctctgggtg 300
 tgagtcctcg ggggtcacca aggcaggang gggcagggat gtgcagggtc cgccctcgtc 360
 tccccacgtc tggc 374

<210> 94
 <211> 672
 <212> DNA
 <213> Homo sapiens

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<400> 94
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tgacccact ggatgtgtgg tatgtaggca cggggtggca cgtcacctg cccctcacag      120
acacactggc ggctgtgtga caaacccact cacgcacaca gcactcagta agccgggact      180
gaccactca gacacgcaca caggcgcaca tcacacacag gtcagcccc ccaaaccag      240
accaggagc tggagcgtac ggggccacgt ggctagaaaa tgcaggttgg agcggcccca      300
tgccgcccgg acccccagcc caggacatca tgggtgccag agagcgtgag ccccaagggc      360
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ggccgggagg cttggtgacc tgggagctgc ccttgagggc tatttccagg ggcctcaggg      480
tgggcccgtg gggatttga gtcttctgcc tgtgcagggt caggcagggt cggttggggg      540
ctcggaggta gatgccatgg tatgctgggc agcaagtggc tcaggaagcc tctgggtgtg      600
agtcctcggg ggtcaccaag gcaggagggg gcagggatgt gcagggtccg ccctcgtctc      660
cccacgtctg gc                                         672
```

<210> 95
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (574)..(574)
 <223> n = a, c, g or t

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<400> 95
ccttaattgg aaactgcttt aattatccaa cactaaaaaa atgtcaaggg caagaggtgg      60
tttgaactat ggactggtgt tagatgatgt atttttttta ttttgtaaag tataataata      120
gttgttatgg ttaggtggga aaagatcctt aaattttaga gctgcatgct ggagtattta      180
gaagtgaaca gtcattgtat ttgttattta aaatactaca cgaataaaca agatgaagca      240
aaattgctca gtctagatat ggggtctatga gtgtttcatt tttctacttt tttctccatg      300
tttgaaatcc ttggtaaaat aaagtcaaag tggaggaagg aggagcttga gattgaaaaa      360
tcagtttgag aagcagccac cttgactggc ttcactctaa tagcctggac gctgcctcca      420
cactccaggt gcactgctca gcattctcca agaagtcatt aagggcagac cctacgtgtt      480
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aaatttcaat cagtttcaact gagcaaatat gctgttaaata agagactgct gtgtgctgtg 540
tcagtgtgcc ttatgggcaa tgtgatggtg ctanaaa 577

<210> 96
<211> 438
<212> DNA
<213> Homo sapiens

<400> 96
gcggtcctca tctctaccat ggactaccag agggaaggca gcacctctca tcacccaggg 60
ggatggcctc cagtcagctg gggatatgtat gcagctgtgt ggcagcaaat atgtccatgc 120
ctgcaagcca ctcagccctc agtcacacgg tgatgggcac taatatccaa gaggagcaga 180
agtcaaggcc atgggtcctt ttctcccctt gccagagatg cagccccaca gcccctgggtg 240
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ccttactgag gtcaggggtca tcaaggcctg ggggactggg acaggggttaa ggggtgtcct 360
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tctgcgggca caacatct 438

<210> 97
<211> 545
<212> DNA
<213> Homo sapiens

<400> 97
gcggtcctca tctctaccat ggactaccag agggaaggca gcacctctca tcacccaggg 60
ggatggcctc cagtcagctg gggatatgtat gcagctgtgt ggcagcaaat atgtccatgc 120
ctgcaagcca ctcagccctc agtcacacgg tgatgggcac taatatccaa gaggagcaga 180
agtcaaggcc atgggtcctt ttctcccctt gccagagatg cagccccaca gcccctgggtg 240
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ccttactgag gtcaggggtca tcaaggcctg ggggactggg acaggggttaa ggggtgtcct 360
ttctccatcc gtcttccaac cccgtggaga ctcagcatgc ctaggaaggt ggaagggctt 420
cctgcgggca caccatctcc cgctccctg tgctgtcct ctgctgggtc ctgggttctc 480
cagtgattat agcccttgct gcttccccca cagtggggaa cacagagccc tgcccagagg 540
cttga 545

<210> 98
<211> 142
<212> DNA
<213> Homo sapiens

```

<400> 98
aatttcctgg atttgtttac tgtacctgtg attcagctgg agatataatt cccaaattca      60

tatttttagc atgctggtgg tcaatgtagg cagctacctt atgggtatgt ataaccattt      120

ccctcttga aatcagctc tc                                          142

```

```

<210> 99
<211> 864
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (386)..(522)
<223> n = a, c, g or t

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```

<400> 99
agcggggggg agagtataaa tgattagcag gattctggct aaaattggtc ctacagggtc      60

ttgaataagc ttatttctta tttcttataa gactgtaggg tatactcttt tcagtcttat      120

tactaattct ttatcagtaa tatgtattca tctttactgt cttgtgtctt tttgctgatt      180

cttctggctc taaggcactc tccttaataa gttttgaaat ctgtccagaa ctcaactgcag      240

ccaaatttcc tggatttggt tactgtacct gtgattcagc tggagatata attcccaaat      300

tcatattttt agcatgctgg tgggtcaatgt aggcagctac cttatgggta tgtataacca      360

tttccctctc tgaaatcagc ctctcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntgaaatca gctttaattg      540

tccccaggt aaataaacac ctgggtgaaag tcacctttgg aaaattaatg cttttgaaaa      600

taatccatga gtctaagtat gactttcaaa tcaccttcac cgtgtgtctg ggaacatttc      660

agggtgattt cctacatcac atcactcctc ttctgcttat tgtattccca cttactagac      720

gtcaggtggt ggtttattag gagacattgc tgtgcatgtc acacagccag ttggcaccac      780

atttttggct cttctgttg aatctctttc tagtttggct ggcaagttac aatctgttca      840

ttgagaaggg agcgtgtgca tatt                                          864

```

```

<210> 100
<211> 735
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (309)..(309)

```


<223> n = a, c, g or t

<220>

<221> misc_feature

<222> (409)..(409)

<223> n = a, c, g or t

<220>

<221> misc_feature

<222> (698)..(698)

<223> n = a, c, g or t

<400> 100

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ctccatctca aaaaaataat aataatataa aataaattaa tagatacttc ctaataagat      60
tgtcactttc taggaaatgt tcttttcacg attcctcttg tactctgtag gttctttgtg      120
aagcaggagg cagaatctgt gttttgattt tactttcacc tctgtgccag tagttttcct      180
ccctgttgta tctcctttat tttatatctt tttctcttaa catttggtat tgcctctggg      240
ttttaatttt ttatgtgtag taggaaagaa agaaggaata ttgattacat atgtgatttt      300
tttctttant actacacggt ttttacttgc ctagccctta tcttttcttc ttcgctgttg      360
tagaatatct ttaatgtttt actcaatgag ttgggaattt gaagaagtna aagcaaggac      420
tccatatact ctcatctac tggggagggt ctgcttggtg aatttttagg tatttcaaga      480
tgttccagtc aactgacaag gacttctcac agtgtcagaa ctgtagtgat gatgagacta      540
atgcaactaa caaatagtgc tggatatgtaa ataaccactt ttgcatgttt acttcaccag      600
aaaattctct ggagtatagc agtatcctgt attcttagtt agaaatttgg caaaccactt      660
ggatgctttc aaaggagatt ttgagttaat gatgctantc aaaaataaga atatatttta      720
atcagatgtg aaattt                                     735
```

<210> 101

<211> 415

<212> DNA

<213> Homo sapiens

<400> 101

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tagttctaga tttcttcaga ggggggttcat agaggaattg acttaaaagt agagccttaa      60
aggaaagaag ctacatcatg gaatgacgtg gaaaagtatt tttcttttta aatcagttac      120
ataatttggg ttttctcaag ttttgccatt ttaatcagca gaacttagat taattaattt      180
gtgagatgct tatctttgcc tattaatttc ctctattgat atttttactt gctatcaatt      240
gcgattgctt tttcatatct gtcttctttt gtaaagtgat gacttttagtc agaagtgtgc      300
tggagcagtt tgcagagcct tgcaaaattg atgggtgccta tctatttcca gctctatggt      360
```

catcaatgcc agatcggcag actgaaatca gccgtgataa aaatgtttac actat 415

<210> 102
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 102
 atccttttgc catcttgctc tttatcagcc ctgtgggttg aagcttcttc ttcagtcctg 60
 atgatcacac atgcctttta cctatgaata gagatgctgc ctttgactct gtccatagttc 120
 ttgactctgc ctttggattt tttttt 146

<210> 103
 <211> 743
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (543)..(543)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (725)..(725)
 <223> n = a, c, g or t

<400> 103
 atccttttgc catcttgctc tttatcagcc ctgtgggttg aagcttcttc ttcagtcctc 60
 gatgatcaca catgcctttt acctatgaat agagatgctg cctttgactc tgtccatagtt 120
 cttgactctg cctttggatt ttttttttct tgagtctacc taacgtgaat tgcatttgat 180
 agtttggata ttccagaaaa acttcctcac atattgtctc ctaattttatt ttaagtatta 240
 atagttatct ttgaaaaata tcttctacaa ttttaataag ataagggaaa tcatgattta 300
 aaagagtgtt ttttaattgg aatcttgaag gaagagccta acaccttttc caacatggaa 360
 ttttaagctc tcttgatccc taatttatta cactggcca caagaggtga catttctac 420
 aaagtttagg gaatttatgg caatactaat aagaaccaat ccttgacttg ccaccacgt 480
 gcagttcaaa gctgttcttc tggagaacat ggagtctgtg gtgtcttaga ctactgactt 540
 tgntgttatt catcctaccc acccttcatt tttctccatg agtaactgct ttcctcttag 600
 tcctagtaac ccagaggcac agatgtccaa agacaacagt cagatggaaa tgtaaatacac 660
 agatctccac acctgaaaac accattggca aactgaaaac cagactagct ctgggaagca 720
 attgntatca gattgcacag atg 743

<210> 104
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n = a, c, g or t

<400> 104
 agctcngttg tgttctatcg actttttata tcttggcctt ttgctctttc tttctggcta 60
 ctttgaagat tatctgtttt tggcgacagt atccctgact ttaaaaaagg aagaagaaaa 120
 ttcagaataa tgacactgaa ttgttcaggt tgcaggtggc agcggaggct agaactgacc 180
 tgcttggaat ctgctctctc tcgatgtccc tctgacatg cgccttgctt ccgttctctc 240
 taacaagggtg aatggccttc attccaaggc aacacagtca ggttttgaca ctccatgggg 300
 aacaaaggga aaatcagcat gactagcccc attctcttca ctcttaatcc cagagatagt 360
 gaatgcccc ctctaccac atctttgtgc caggtcacct aaaagttgtt tggaggagtc 420
 aatgtgggtg catgaggtaa gtcaacag 448

<210> 105
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)
 <223> n = a, c, g or t

<400> 105
 actcaatctc caaaacaaaa caaaaaaaca acatctgtga agggaagatg gattgggcag 60
 agagcgaaat tgaactgtga tgcaggcccg atcaagtacc caccaactca gtagggcacg 120
 caggagcttg aagcaccac tggaatatatt tcatggagga ctaaaatggc tgggtctcta 180
 tgctccccgcg tantcagttc ccagaggcag ctgccctggg gagggcaggg tgttgggtgg 240
 ggcaacactc tgcagctgag gcagaccctg aagggtgac agctggaggc catctgccca 300
 gctcactcct gcagctggat ggaaaggcct tcttggaga aggggtccg ggcaatgcac 360
 ttccacatct actacaccta tatccctga ctctcagaga tctagcaact tgcccgcaaa 420
 cttgagcctt cctcactaca agttaggcct tggcatcttt tgcccagact actacagtc 480
 tcaactggctc c 491

<210> 106
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 106
 actcaatctc caaaacaaaa caaaaaaaca acatctgtga agggaagatg gattgggcag 60
 agagcgaaat tgaactgtga tgcaggcccg atcaagtacc caccaactca gtagggcacg 120
 caggagcttg aagcacccac tggaaatattt tcatggagga ctaaaatggc tgggtctcta 180
 tgctcccgcg tagctcagtt cccagaggca gctgccctgg ggagggcagg gtgttgggtg 240
 gggcaactct ctgcagctga ggcagaccct gaagggctga cagctggagg ccatctgccc 300
 agctcactcc tgcagctgga tggaaaggcc ttcttggaag aagggggtcc gggcaatgca 360
 tttccacatc tactacacct atatccctg actctcagag atctagcaac ttgctgcaa 420
 acttgagcct tctcactac aagttaggcc ttggcatctt ttgccagac tactacagtc 480
 ctactggct ccaccagcca tctcctccca cccacccat cctctgtgtg gtccacacac 540
 aggtctgac ttgtcacttg ccagtgcacg aacactaagg gacctctgtt tgtg 594

<210> 107
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (428)..(428)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (446)..(446)
 <223> n = a, c, g or t

<400> 107
 ggcactttaa ccccatcaag tttatgagaa gaacattaag tgcctagtgg atgtttgccc 60
 aaaggacca agtgggcaat tcacaaagga gggaattaac cagtaaaaag ccacagaaaa 120
 gcaccgaata aacctagtct tcagagactc aaaagttaaa atattatcct atatcctgtt 180
 aaattggcaa aaccaaaaaat gattaacata cctgacgctg caaagtcaca gtggcctggt 240
 gcatttggac gttgttgggt atgttgtgta aaagactgca tcttctcgga acagcaattt 300
 ggcatgatta tcaagatcta caaaaatgtt catgcccttg cagtcctctg taatactagt 360
 tatccctagg gaactgaaat tatgggtaag gatattcagt cccacattta ttttaatttc 420

gaaaccanta gaatagcttc agaagntcaa ccaagaggaa aatgggtg 467

<210> 108
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 108
 cttgaaatga agacatagaa tgattgaata gtatctagca attttctgtt gcaaaaaaag 60
 attatcttaa tttcatagct aaatgaatgt cttaacagat tgtgatttac acttgtaagt 120
 gaaatgtgtt cagagaggag aagtaggcag ggacctgatt acatagggct ttgtaaatca 180
 gaatgaaaaa agttagaatc aggctggcac agtggctcac acctgtaa 228

<210> 109
 <211> 1324
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (312)..(312)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (385)..(385)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (419)..(419)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (506)..(506)
 <223> n = a, c, g or t

<220>
 <221> misc_feature
 <222> (517)..(518)
 <223> n = a, c, g or t

<400> 109
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 ttaaagggtt tcacaagagg acaggtgttt ccaccctttt aacgggcctg tttttacccc 120
 cctaggggtt tgcattggtt tttttttgga aaaacccttg gaaaccgggtt ggttattggt 180

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aggggaatgcc ctttattgat tccggcccca tttaaccgga taatttaatt tattttatttt 240
taacaagggtc tttttttccg aggtgaggca tgggggtattc agccatgaat ttgtgcccc 300
ggtcaagtat anttgatttt agaaaacggg ttctcttgtg tgccaggctg tctcactcct 360
ggctcaaaga tccacctctc cggcncacaa agttctggat ttcagggtga gttacgtgnc 420
gggctatact gatttaaaaa tcctttacca gagttgtgag tcagagtga atagtgcact 480
tggtggagtt attcaatgta cattanttta tctctcnntg atgtagaaag taccaatcag 540
catgacttgg tgactactac aaagagagga aattctaatac atttaatggt tctgatttaa 600
ttgatttatt gataactctc cattactttt tcaaactctc gaactagaaa gggcttattc 660
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tgctagatac tattcaatca ttctatgtct tcatttcaag gaagggtccaa gaaaaaaaaat 1260
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aaaa 1324

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```

<210> 110
<211> 225
<212> DNA
<213> Homo sapiens

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```

<400> 110
gcctcgctg gcatcccca gctgtagatg ggggcagagc aagacttgct gccaacctgc 60
ctggctctgt ggtccctgct cctctctccg ttctgctggc gtcaccaccc ctcttcaga 120
actctctatg gaattgcatt ctagtctctc ctgcttctgc ttatgcatgt gaaagccaga 180
tgcccttct ctctctctt tttttttttt ttgatacgga gtttt 225

```

```

<210> 111
<211> 1435
<212> DNA

```

<213> Homo sapiens

<400> 111

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ccaggctgta gttacaaact gccagacccc acaggcaact gaggccaacc caaggagaga      60
gttgcagggtt atgtggggccc acagcttgta tgtgccaggc agggcctgct gctgtggctc    120
tgcacactga ggaactgcat gcacagacac tcaggacccg cctgcctccc ccagctcctc    180
agccggggcct gtgtcccacc ccagtccacc gtttgtgtcca tgctgtgctt tctgtgggtca    240
ggcctggcat gctctgggct gctgctgccc ttgccgcct tagcagctgg ctgggggtgg    300
ccctcgagcc ctccctcacg caccgtccca ggcttgctgc cttccagct gcacctctca    360
caactgttca cgacaggccc ctcaacacgc cgggggcctg gcacacactc acctgctgggt    420
ctgctaggac ccagtttccc aagcctagaa aacgaccac cacagccttg ggcacagttt    480
gcagccctga cagattcctg agtctgcctt ttcccagaat tctgacctct ccaggggctc    540
tgtgaccccg cctgtccccc actcagggcc tgtcacagac aggggtttgc tgagccactt    600
tgaggcaggt ggatgattgc agggatgacc caaggcccac gtcgccagga ctgccaccat    660
tccaatacca aaagagcctt taaaaagcct tcactcagga gtccttggtc cagaacttgg    720
catggacttg gaggccagta aatactaagt tgaaatggac aggagtcaac cccaaacaaa    780
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ccttagacta tacattttca tttttctaca ttcttccaga acaatgttcc tatacaaaat   1020
cttaacccat ggcagaaact ggcaagagcc catttcccat gtgcaggcag agccaggccg   1080
gcgacactgg gttccttctt aggcaaggcg agggttgggt ggagacctgg catgacttct   1140
ccagcccctg gagagcctct gcagttctga cccctatcac aagtgagccc tgggcttgggt   1200
gaggggtgcc tgccctgcct ggcacccccc agctgtagat gggggcagag caagacttgc   1260
tgccaacctg cctggctctg tggtccttgc tccctctccc gttctgctgg cgtcaccacc   1320
cctccttcag aactctctat ggaattgcat tctagtctct cctgcttctg cttatgcatg   1380
tgaaagccag atgccccttc tctctctctc tttttttttt tttgatacgg agttt      1435

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<210> 112

<211> 672

<212> DNA

<213> Homo sapiens

<400> 112

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aaaagagaca gctatggaga gcctttcttg agacagggtg aacttcatag tctggccaaa      60

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gaaactatcc atgcaaagga acctacattht aattgaatca gactgtggaa taattttacac 120
 caccaggcat tgttgacaac aatagaacaa tcatcaggca attaatagag actaattact 180
 aacttccagt gaagtataga aatgttactc ctatthttgct ctattacatc ttttaacttt 240
 ttgtgggtact aatgtttataa atgtttatata tgtatatatt acaaatatag caatagattg 300
 ttatgattac tatgtttacat aatthttatgt ctgctaagga agttgagaga agaagagcaa 360
 atgtacattht atatgtthttg ttatatgact tthctthttat catttctggg ttgctcttca 420
 tctattccct tggattcctt tgttctgcta ttgctaaatg tattacattht ttatatggta 480
 taggctgaac aacactatta tataaaagtt gthtttataca atththththta atacattaat 540
 agaaaaaaag acatthttctc ataatcacaa tgcaatagat ctaacaaaat taacagtaat 600
 tccccaatat catccagccc ttagtctthta aatgcattthc cagaattgct aagaaaattht 660
 tagctaaagc ca 672

<210> 113
 <211> 523
 <212> DNA
 <213> Homo sapiens

<400> 113
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 attatththta gaaatacaag aatthtccaaa acacagatct tctggcctgt cacttgthggc 120
 ctatactctt tgaaagtgtc caaaataata aaggthcaggth tattgataat gattthtagat 180
 aatagaattht aaaaataatt ctgtaattht atattgaaac attaagcctt agaagthtgat 240
 agaagtattg tgcattacag aagthaccaag tagthtaaaag ttgctctthta tgattthaaaa 300
 aataagagca gaagatcgtt tagccatata tcatgtagaa agaacattgt gthggcagca 360
 tgatctgaat ttgaatccat attctgcccc ttagthcaact gthggcaatc actthtgagcc 420
 aactthtgctt actacaaaat gataattgca gtactcacat thcaagattg ttgtatgcaa 480
 gthcttagca aaggacctag catgtcgtag aaatthcagca aat 523

<210> 114
 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 114
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 tctththctga gagctthtagc agtaacaaact ththtaccaaa agthcttagct tatgtgthttg 120
 atththcagca tatgaaactt ccttgattht tathththctat atgtaagtct ccttaccagc 180


```

tttctttgga gatttttagga attttttccctt tgttcttcgg tggccataca tcttgtttgg      240
ggtgaaggga cttgatgaac tataatttta actaaggatt atcatgtttt gatttaatatg      300
atcccagagg aagaatgctc ttccatagct gtacctctgg aatgttttgg ttgtacagta      360
aaattgaaca tttggttatt attttttagaa atacaagaat ttccaaaaca cagatcttct      420
ggcctgtcac ttgtggccta tactctttga aagtgtctca aataataaag gtcaggttat      480
tgataatgat ttagataat agaatttaaa aataattctg taattttata ttgaaacatt      540
aagccttaga agttgataga agtattgtgc attacagaag taccaagtag ttaaaagttg      600
ctcttaatga tttaaaaaat aagagcagaa gatcgtttag ccatacatca tgtagaaaga      660
acattgtgtt ggcagcatga tctgaatttg aatccatatt ctgccctta gtcaactgtt      720
ggcaatcact ttgagccaac tttgcttact acaaaatgat aattgcagta ctcacatttc      780
aagattgttg tatgcaagtt cctagcaaag gacctagcat gtcgtagaaa ttcagcaaatt      840

```

```

<210> 115
<211> 158
<212> DNA
<213> Homo sapiens

```

```

<400> 115
agcctctgaa acagctggaa ttacaggcaa gcaactgccgt gccctgctaa tgagaaattg      60
taattctcat agaggtcctc ccagaggagt agaagaaggt tgaaaggcac ttctgtattt      120
agtcttctca caattaaggc tgggcccagt ggctcaca                                158

```

```

<210> 116
<211> 528
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (510)..(510)
<223> n = a, c, g or t

```

```

<400> 116
aaaaatagat aaggtccatg cccttaggca gcttggtcta gtgaggggca aacaaatcac      60
agataaatgt aaaattacac ctgtgagtag tgctgtgaag gagagggtga ggatggtaag      120
ggtatatgat aactgaagga atttgtctat tttagaaatt ctggaaaggc ttccctgaaa      180
gaattaaaga tgtgtaggag ttaagtaggt taaagagaac agaaagatga gttcaggaat      240
agtggcgtaa agcaaccatt gattgtgccc gtagattctg tggggatggg attcagacag      300
cagtttatct ctgctccatg atactgagaa cctcagctgg aagactaagt ctggggatga      360

```

```

cttgatgact gtaggctgga ctcatgtgaa ggctcctcct ctggccttca ggggctgggt 420
gtccaatgag accttagtga gtctattgga caaaacaacc atacgggcc tctgcattta 480
gcctgggggtc cctcaggaca tgggtgccaan gttgcaggag gaagtgtc 528

```

```

<210> 117
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<400> 117
aaatgtgcct gtctgctcaa ggcaaggagg cgcgtgtcac tggagtgttg tgcacagggtg 60
agagaatcca ggggcctgct gtgtgctggg gacatctctg ggcaagggtg aagccatttc 120
aggggtttgaa gcagaggcat gacatgagtg tgggctcctc tggagcatag gttgtatcca 180
tagcttagtc atccccccag taccttgata atttcttata cgtattaggt cctcaataaa 240
tgtctgttta attgtgctgt actattaatg ccagaaaaag gcaaatgtct caaagggatc 300
aggggacaca aatttgactc gattcaacct atttcctagt ttgtgcacaa ttttttaatg 360
gataacttcc tctaataagt ggtttaaata tcagtactat aagacttcat tctatttgga 420
actgaataca aatgttggtt actaatgtgt aaatgtgtaa cgtatgactg atctctctac 480
agagtacggg aatgtcaggt gcatttttag c 511

```

```

<210> 118
<211> 1382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1324)..(1324)
<223> n = a, c, g or t

```

```

<400> 118
aaatgtgcct gtctgctcaa ggcaaggagg cgcgtgtcac tggagtgttg tgcacagggtg 60
agagaatcca ggggcctgct gtgtgctggg gacatctctg ggcaagggtg aagccatttc 120
aggggtttgaa gcagaggcat gacatgagtg tgggctcctc tggagcatag gttgtatcca 180
tagcttagtc atccccccag taccttgata atttcttata cgtattaggt cctcaataaa 240
tgtctgttta attgtgctgt actattaatg ccagaaaaag gcaaatgtct caaagggatc 300
aggggacaca aatttgactc gattcaacct atttcctagt ttgtgcacaa ttttttaatg 360
gataacttcc tctaataagt ggtttaaata tcagtactat aagacttcat tctatttgga 420
actgaataca aatgttggtt actaatgtgt aaatgtgtaa cgtatgactg atctctctac 480

```

```

agagtacggg aatgtcaggt gctattttta gctggcaaaa ccaaaggctg tttttattct 540
cctccttacc ttgatgacta tggggagacc gaccaggga cagacgggg aaatccttta 600
catttatgca aagagcgatt caagaagatt cagaagctct ggcaccaaca cagtgtcaca 660
gaggaaattg gacatgcaca ggaagccaat cagacactgg ttggcattga ctggcaacat 720
ttataattat tgcaccacca aaaaacacaa acttggattt ttttaacca gttggctttt 780
taagaaagaa agaagttctg ctgaatttgg aaataaattc tttattttaa ctttccttcc 840
cagttttata gtttctggtt ctgaggactg atgaaaatca tcttccatca gcagattttc 900
ttgcactggt tgctgtgccc ctcaaataa atgtcttggg ttttaagatc gagcaaggag 960
cttctcttcc tagattggat ccagagccct ttgtgggggt ctgactgcat agtcccagcc 1020
attatgtgat atttcacgtt attgatgata gtgaaccgtg ggtccgaagc tgactcaacg 1080
gaggcagggg acaaagtctc tgtggtctgt tgggtcatac ttcttggttc cactgagtgg 1140
cccaacactg ggactgggtt ggtgtccct ctgctgacag gaccctactc ctaggagcaa 1200
agtggttgat tttgaaggca gtgttccct ctctccattg actatgagag agttggggga 1260
cacacatgca agaagaagcc cgtggggaga aggtggattc ctggtgtgct ggctggtttt 1320
tcanggctgt tagaggtttt tttttcttt ttttttttta aggcaagact tttggctttg 1380
ag 1382

```

```

<210> 119
<211> 92
<212> DNA
<213> Homo sapiens

```

```

<400> 119
cttctaataa atgcaaatta ctttgtggca aatactgaga agaggtctgt ttacaagcta 60
ctatacttat aataaggga ataatgagc ct 92

```

```

<210> 120
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (318)..(318)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (465)..(465)
<223> n = a, c, g or t

```

<400> 120
catcaccgct ctccctggcca ttctcacctt tccccaacct gccgaagacc cagagaatct 60
cctaggttct ccccttgctg gcgacctcat ccaccatcaa aacctccgcc agggctcctgg 120
ctgagtcatc atccatcaca gcaggctggg acaacatcac agtggaggac aattctctag 180
ggaccacaga ggatatgaat gtgacctggg ttagcaaagg cctccccaag aagctggagc 240
agagtggggc accaggatca gcccccaatc cctggacctt ggctgtgagc ctgcctgagc 300
ctgagccagt gcaatgcngg tcttctgtat gtggtcagaa acttcagaca ccagaaaact 360
gtcaccttag atgttggaag agtctgttga gcttaacaaa ttgccagcaa ggtgagtgtg 420
cccaattctg gagacactct tcccaggag attgggaatg cagtntttgg gtgc 474

<210> 121
<211> 357
<212> DNA
<213> Homo sapiens

<400> 121
gctaactctgg agagcactgc taaaatgtta gagtctaagt aagctctgta cccaggggat 60
aaaatgttac tggacagagc atacatgtat ctggttagagt gagattcttt gctcttttca 120
gtaaaggact actgactcaa aatcaattga agatcacata caggaaaaact ttgaggtttt 180
tttttttttc ttctcaaat catgggagag attttcaaag aagaaaaaat agaaaatatt 240
ttaatgcact ttaaaaatac aggtttgtct gcaccatctg tcaggtaaaa aaaaatgaat 300
tttagggaaa gagcacagat gtttattaat tcaatgtaga aagtatatta ctggctg 357

<210> 122
<211> 641
<212> DNA
<213> Homo sapiens

<400> 122
ttttgagacg gagtcttgct ctgtctctca ggctggagtg taatggcaca gtcttggtct 60
actgcaactt ccacttccca ggttcaagca attctcctga ctcagcctcc cgagtagctg 120
ggattacagg caccacaac cgcaccacgc taatttttgt attttttagta gagatgggat 180
ttcaccatcc tggccagact ggtcttgaac tcatgacctc atgatccatc caccttggcc 240
tcccaaatg ctgggattac aggcgtgagc caccacacct ggcccagcca gtaatatact 300
ttctacattg aattaataaa catctgtgct ctttccttaa aattcatatt tttttacctg 360
acagatggtg cagacaaaacc tgtattttta aagtgcatta aaatatattc tattttttct 420
tctttgaaaa tctctcccat gatttgagga agaaaaaaaa aaaaacctca aagttttcct 480

```

gtatgtgatc ttcaattgat tttgagtcag tagtccttta ctgaaaagag caaagaatct      540
cactctaaca gatacatgta tgctctgtcc agtaacattt tatcccctgg gtacagagct      600
tacttagact ctaacatttt agcagtgtct tccagattag c                             641

```

```

<210> 123
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)..(79)
<223> n = a, c, g or t

```

```

<400> 123
gatctcctcc tcgtgttcct ctcttactaa atagctcagg ccaaaaatgc cagggtcacc      60
aacaatgcct ctcttctcna cataccccac acccaatcca tcagcaaatc ttgtcaactc      120
tgaattcaga atatacccca catccgaatg catctttcca tccctccacc aatcaccttc      180
cttcaagccc ccatcattct taactggatt atcataacca cctcctcact ggttgactgt      240
tttcactat tgtccccgc tcatttaatc tctccttgta caccacacca gtgatcctgt      300
ttaaagttaa atcagggccca gtcttggtgg ctgacacctg gaattccagc ctcccgag      358

```

```

<210> 124
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (370)..(370)
<223> n = a, c, g or t

```

```

<400> 124
tgtagacaca ggggtgtgtgt gtgggggtctt gctatgttgc ccaggctggg ctcgaaactcc      60
tctcctcaag tgatcctccc acctcagcct cccaaagttc tgggaattcca ggtgtcagcc      120
accaagactg gccctgattt acattttaaac aggatcactg gtgtgggtgta caaggataga      180
ttaaagtgagc gggggacaat agtggaaaca gtacaaccag tgaggagggtg gttatgataa      240
tccagttaag aatgatgggg gcttgaagga aggtgattgg tggaggggatg gaaagatgca      300
ttcggatgtg ggggtatattc tgaattcaga gttgacaaga tttgctgatg gattgggtgt      360
ggggtatgtg gagaagagag gcattgttgg tgaccctggc atttttggcc tgagctattt      420
agtaagagag gaacacgagg aggagatcct atttgagggg ggaaatttag tatttt      475

```

<210> 125
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 125
 tgcaaataga gattgttata ccttttcctt tctattccaa agtgtctaaa agattttttc 60
 ttagctagtg gcattggatg acacctataa tgtcttctaa aaatagtagc agtcataggc 120
 accatttcct tattttgaat attcattcat gttacaaagt ttataggaat ttctgaatta 180
 ttaagtactt ttaataggaa tgaaggttat tgtcattatt gcatcaaaat tccataagaa 240
 agtttggtgg tcaaaatttg tggcctttgt ggtggttaag 279

<210> 126
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 126
 ctttcaaagt ccactcaaaa attatctttc ttgaagtcac ccatgactga aacgtctccc 60
 catcagatct tcagtgactc ttttcagaaa ttgccattag gcaaagaact gccaggatct 120
 ttactagcaa tggtagttct tcttcccaaa aatgtggaaa ggctttgaga taaaagcact 180
 tatctttaca cctgcaatga ctaggacaag aaaatgtcac tgccagcagt tgatgcttca 240
 ccagcgtggt gtaatatatg atgtgcattt tacatgtgga ctctcattta aattcttaaa 300
 acatatccgt tagtcagata acatcatctc actttgcact ggaggaaacc aagttcagat 360
 aggatatata ccattgaatg accaagaggt taataaatat tgatgatgta aaggaaaatt 420
 atttctcagc agccaagtac taaaactttg taactggaga agatg 465

<210> 127
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 127
 ggctttcaat ttccattgtc attccgcatt gctaatagtt tcttccaaat cctt 54

<210> 128
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (551)..(551)
 <223> n = a, c, g or t

```

<400> 128
tttggatttg gaatatggaa gaaagtctgg gataaattta tggatttgtg aaaagtttat      60
agaggaatgt aaaacaaagt ggaaaaggag accctaaaag aaatatgaaa aagtagacta      120
agaagagctc atatagaaag gaatctgagt agaacctgaa ttatctatga tcacaaaatc      180
ggtgcctcta ttttttctta ttggggatgc ctcatgcgtt gtatcttttc ttgaagagga      240
agacttctta tcacgtcttc ttagaaggct attcttagta atttccaaaa tgatagotta      300
cgcattagtt gaaataatac tagctgcttt aataaacaaa cccccaatc tttgggactt      360
agcaaaatag acatttcttt atctctcatg taaagtccaa aactgggtgtt cgtgattgat      420
agacagattt ttttttaaaa aatcagtggt taagatattc agactccttc catcttatat      480
ttttgccatt gtgaacactt ggctttcaat actgttatgt taatctgtct caagtcagag      540
gatggaggat nggggatcac tcat                                             564

```

```

<210> 129
<211> 172
<212> DNA
<213> Homo sapiens

```

```

<400> 129
atgaaatggg aaaattcatc gaatgacaca aactaccaca attcacttaa aataaaacac      60
acatacacat aacagataat ctgagagccg attatgaaat gaaggaattg aatttgtagc      120
ctaaaatggt ttcaaaaaga aaattccaga gccatataac tttactggtg ga              172

```

```

<210> 130
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (328)..(328)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (418)..(418)
<223> n = a, c, g or t

```

```

<220>
<221> misc_feature
<222> (432)..(432)
<223> n = a, c, g or t

```

```

<400> 130

```

gttttgctaa tttccaggaa cattccccca caacagctgg tacaggcttt tctacactac 60
 tcaaggcccc agttgtacct tcttccattc tcagcagagt ttctcacctt caaatgtact 120
 aaaataatgc agcctctcaa caaacactca ctgagacttc ttgcccaggc aatggagata 180
 agtgagcccc ctcaaggagt ccacaggcca gtggaggaga aggaaatgca acagggtgat 240
 ataggaatat tcttggtgtc actgatggat tttgaggata gtgccatcat gaggacagtg 300
 tttaggggaag aggagtgagg caggtgtngg agggactgga ggatgtagag atagtggcag 360
 gaaggcagag aaagatgcca cagtctaggt gaagggtgaag aagtccctgg tggagatngg 420
 ggtgaagagg angtgctgcc gaggtgacgg gtgtgaatga tcttgcaaag gtaagtagca 480
 acgt 484

<210> 131
 <211> 901
 <212> DNA
 <213> Homo sapiens

<400> 131
 gcaatatatt ccttcatgag ctttgttttc ctgcagtgcc caatgatcca cttgtaccga 60
 ctgctgtgtt aggtgaggcc ctaaattctt atcatctttt cattgcatgg atcacacctc 120
 cttgcatggg ttgcccaca tagagattat ttacagtgcg ggaggcagct tggttttgaa 180
 aatagacagc catggtatta tcaaagagag caactgtgtt caaccaata tcagatctag 240
 tggatttcaa attagcaagg catgctatctt aatgtattct tcaattcttg gttgttagat 300
 ttggagcaaa agtacatggc ccttaatgtc tgactaatat taatgtgtca aaattagtag 360
 aatgaagcca aatgcataca tctggagggg gcaatgttgc ctgaataact agtttatatg 420
 taaaagtcta cctaattggaa agggatgttt ctaaaatcct cccaatttat aaccacgaaa 480
 gaacaaatctt acaagtaaatt attaggatta tgtgcatttg ctctagcttt tgtctttatt 540
 aagaatgttt taatgtaggt aaagttgcta aaatcttgat gtgggggttg acattctaca 600
 tgaaccttac ctgataagta atgttatctt tcaagaaatt tagaacaagc tacttggggt 660
 accactgtat aacatctaag acaatgctat tactaatgac aattaacgct ttacagatg 720
 taaaattata ttaattttta aacctaccta tatatttaag aatggaatgg gtttcatttt 780
 tcatttcact ttgtaccctg ttccttgact aattatacac caatgattag taatcagctt 840
 gcctgtatgt ttacaggttc catatcaatt ttaccagcgt ttctagttaa gctttaacca 900
 a 901

<210> 132
 <211> 782

<212> DNA

<213> Homo sapiens

<400> 132

```

caaggaaaat aataagtaaa atgcaagtaa atcagaatctt gcaaagaaaa aattatgaat      60
taaacaacat tgaaaagtat ctggtaatat gtaccaatct actttgtaag ttagttgaag      120
aaagaagata aggggatata attacaaata aagagaactt tttaaaaaata aaaagaataa      180
catatatcat ttttatcata tatgtaatca ttatacatgt aacgaaatat atgtaaaata      240
gcatatacat tttaaaaaaa tctagaatcc agatgaaatg catagtttct agaaaaatgt      300
aaattactaa cattgactca agaaaagtag ataacctaaa tagaccaatt acaatacaag      360
aaaccaaata tagttaaaat attcccttaa agaaacatta aaaaatttag ttttatgggtg      420
gctgattaaa atgaccatctt cttatttttt tctttcaatt attattaaaa actaaccaga      480
aaaataaaaa gcaaaaaagt taaattcttt ggttgaaacc agcagactac ttaaattctct      540
gaattgcaaa ataagaagcg agcagcccaa atcagtcagg gtgaaacagg tgtgagtggg      600
gagagacact ggaaaaaaat ggtcataact tcagagctca gaaaatgttg gcaaagcatt      660
ccttactaac ttaagtggca caacctattg caaaacggca cgtttttctt tacaacagga      720
ccaaggctca gggactctta gtgggaaatt acctgagtct gattctgagg agaaatagag      780
ag                                                                                   782

```

<210> 133

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (293)..(347)

<223> n = a, c, g or t

<220>

<221> misc_feature

<222> (389)..(389)

<223> n = a, c, g or t

<400> 133

```

gttctctaaa cccagcatgt ctgttccac ctcagaggct tagcgcatgc tgtagccct      60
gactggggag ctctcctca gatatttgca tggcagtgcc ttcactcctc aagaacctac      120
tcaaggtcac ctctcagat gagccctccc tgccaatcca gtatcgtctc cctccttatt      180
tactttaatt tttccatggc tctcagcatc attatctgaa aatgtacctt ttgtgcgttt      240
gtttacttgc ttattgtcta tttccacac ttgaatgttc catagggcag ctnnnnnnnn      300

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaat tttgttggtg 360
ttgagtgaga aacaaattgg tcctttggnc gttccccaca caagcatagc tat 413

<210> 134
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (300)..(300)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n = a, c, g or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n = a, c, g or t

<220>

<221> misc_feature
 <222> (408)..(410)
 <223> n = a, c, g or t

<400> 134
 tcggctcgag caggaatgag ccactgcgcc tagcctatgt tccttgatta atacctccaa 60
 atctgttcaa gaaatatgac aatcaaata catgcaagtg gtatacagag caaaattggt 120
 tggggttagct actatatga atatttccat taaaaggact agaagggaac cacacatgat 180
 gatttctctt tttccaagag gcattttggg cagaggtaac aatgaggcag tggaggtatc 240
 ctacaatttg aagcaatttt tctccttatt agccatttca tgaaaattat actataacan 300
 ccatcagagg nagatatattt gttcaganta atatctatat ggctgnaaa cagactaaga 360
 agttatcatc cnccttntg ttgttttgaa atttantcna aaaataannn ttttggatta 420
 tatatatata ttatatatttt 440

<210> 135
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 135
 ggtcatttga gataccttgt taatttagtt ttaagtaatc aagagtgggtg atgttttatt 60
 catctttaa actgttatga ctgaacgggc agaaatgatg gtatgtcttg ttctgttacc 120
 aactagcaat ttatgtttca gtaaaactgct ctatgtgata attcttgtgt taaaaatacc 180
 attact 186

<210> 136
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 136
 ttgttacacc tatttttagaa gttcctataa atactttgaa ataagatctt tcccccttc 60
 atggcaacca catatctact atatctctct g 91

<210> 137
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 137

Met Lys Gly Leu Tyr Gln Ala Ala Phe Gln Leu Leu Glu Lys His Phe
 1 5 10 15

Leu Ser Thr Gly Leu His Leu Lys Leu Pro Ser Trp Tyr Leu Val Glu
20 25 30

Ala Gly Phe Gln Ala Glu Glu Ser Gly Pro Gly Leu Cys Ala Phe Ser
35 40 45

Ser Ser Ala Gln Leu Leu Leu Gly His Pro Cys Asp Ile Ile Phe His
50 55 60

Leu Thr Thr Ala Lys Gly Arg Asn Ala Arg Leu Ile
65 70 75

<210> 138

<211> 48

<212> PRT

<213> Homo sapiens

<400> 138

Met Ser Pro Ile Leu Gln Arg Ala Pro Leu Ala Thr Ser Leu Cys Trp
1 5 10 15

Leu Ser Gly Gly Glu Gly Ile Ser Gly Ala Leu Asp Met His Leu His
20 25 30

Tyr His Trp Phe Pro Val Phe Tyr Glu Val Ser Ile Ser Asp His Gly
35 40 45

<210> 139

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (32)..(39)

<223> any amino acid

<400> 139

Met Asn Arg Thr Ser Pro Pro Trp Gly Val Glu Arg Ser Trp Ser Asn
1 5 10 15

His Leu Ser Gly Gly Thr Thr Phe Leu Tyr Cys Cys Leu Val Ile Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Asp Asn Leu Leu Thr Ile Ala Gln Thr
35 40 45

Tyr Met Leu Phe Met Val Tyr Leu Lys Ile Lys Ser Lys Thr Lys Met
 50 55 60

Thr Asn Val Ser Ser Ala Asn Cys Cys Ser Gly Ser Tyr Tyr Ser Leu
 65 70 75 80

Tyr Phe

<210> 140
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 140

Met Pro Leu Ser Phe Gln Thr Cys Ala His Cys Ser Ala Thr Trp Phe
 1 5 10 15

Ala His Pro Met
 20

<210> 141
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 141

Met Cys Lys Asn Gly Ile Ile Thr Ser Thr Ser Leu Val Glu Lys Thr
 1 5 10 15

Thr Trp His Arg Val Asn Ser Gln Cys Met Ser Glu Phe Thr Lys Cys
 20 25 30

Gly Asn Asn Met Thr Phe Phe Ser Gly Cys Ile Leu Tyr Leu Met
 35 40 45

<210> 142
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 142

Met Thr Thr Asn Phe Glu Asn Arg Leu Ser His Asn Lys Leu Glu Phe
 1 5 10 15

Met Glu Thr Ser Val Glu Gly Asn Thr Thr Phe His Pro Phe Thr Glu
 20 25 30

Ile Ile Tyr Leu Gln Leu Arg Ile Ile Cys His Val Tyr Tyr Leu Leu
 35 40 45

Met

<210> 143
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (8)..(8)
 <223> any amino acid

<220>
 <221> MISC_FEATURE
 <222> (23)..(23)
 <223> any amino acid

<400> 143

Met Asp Gln Lys Cys Gln Val Xaa Ser Lys Thr Ala Ala Trp Ala Cys
 1 5 10 15

Trp Thr Leu Tyr Pro Lys Xaa Val Val Val Ser Arg Asn Leu Ala Thr
 20 25 30

Ser Asn Arg Asp
 35

<210> 144
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 144

Gln Met Gly Asp Glu Glu Ser Pro Asn Lys Gly Pro Ile Pro Ile Cys
 1 5 10 15

Tyr Thr Leu Phe Arg Lys Phe Trp Gln Leu Arg Asp Ser Ser Gly Thr
 20 25 30

Leu Val Gln Cys Phe Glu Lys Ile Pro Gly Lys Thr Phe Pro Arg Tyr
 35 40 45

Pro Glu Glu Val Ala Pro Val Phe Arg Gly Phe Lys Leu Val Asp Pro

50

55

60

Gln Pro Ser Gly Lys Lys Met Glu Glu Cys Lys Thr Gly Gly Glu His
 65 70 75 80

Val Tyr Phe Ala Lys Phe Leu Thr Ser Glu Lys Val
 85 90

<210> 145
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 145

Met Ile Lys Phe Cys Leu Arg Ile Leu Thr Leu Pro Glu Ser Asp Gln
 1 5 10 15

Gln Ile Val Thr Cys Tyr Pro Asn Phe Leu Thr Gly Pro Tyr Lys Leu
 20 25 30

His Ile Leu Ser Val Arg Leu Ser Asp Val Ser Glu Ile Phe Trp Ala
 35 40 45

Leu Leu Gly Thr Leu Leu Ser Arg Asn Pro Asp Val Ile Val Leu Tyr
 50 55 60

Phe Lys Lys Val Val Leu Leu Gln Ala Leu Ile Glu Asp Glu Leu Met
 65 70 75 80

Glu Arg Leu Lys Glu Met Met His Val Asn Ile Arg Val Pro Lys
 85 90 95

<210> 146
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (19)..(19)
 <223> any amino acid

<400> 146

Met Tyr Thr Gly Thr Gln Ser Val His Thr His Glu Tyr Val His Thr
 1 5 10 15

His Thr Xaa Ala His Thr His Thr Asn Thr Pro Asn Cys Asp Met Met

80

20

25

30

Arg Phe Ala Asn Asp Gly Thr Ala Ser Gln Asp Leu Cys Ala Thr Thr
35 40 45

Glu Gln Ser Ser Lys Gln Ala Ser Arg Pro Leu Tyr Leu Phe Ser Val
50 55 60

Val Thr Thr Leu Leu Val Ser Arg Ser Gln Arg Ser Arg Tyr Leu Lys
65 70 75 80

Ser

<210> 147
<211> 43
<212> PRT
<213> Homo sapiens

<400> 147

Met Ser Leu Ile Ser Thr Trp Tyr Pro Leu Ser Tyr Thr Gly Tyr Val
1 5 10 15

Ser Gly Ser Leu Gln Leu Gln Phe Met Ala Val Tyr Lys Ile Ser Pro
20 25 30

Glu Leu Val Leu Thr Ser Phe Tyr Phe Cys Lys
35 40

<210> 148
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (23)..(31)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (76)..(76)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (92)..(92)
<223> any amino acid

<400> 148

Met Phe Leu Leu Thr Thr Gln His Pro Gln Cys Leu Thr Tyr Ser Arg
 1 5 10 15

Cys Tyr Val Ser Ala Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
 20 25 30

Cys Trp Val Gly Glu Gly Pro Gly Glu Gly Ser Gly Thr Glu Gly Met
 35 40 45

Pro Gly Ser Leu Leu Pro Thr Ala Ser Thr Asp Gln Gln Arg Leu Gly
 50 55 60

Pro Lys Gly Asp Ile Pro Gly Gly Arg Gly Arg Xaa Pro Pro Cys Leu
 65 70 75 80

Pro Ala Gly Gly Pro Arg Arg Arg Ala Gly Arg Xaa Thr
 85 90

<210> 149

<211> 53

<212> PRT

<213> Homo sapiens

<400> 149

Met Gln Pro Ile Tyr Asn Lys His Ser Pro Cys Asn Pro Ser Ser Pro
 1 5 10 15

Thr His Leu Thr Leu Pro Glu Lys Met Ala Asn Tyr Val Arg Ala Leu
 20 25 30

Cys Ile His Leu Phe Val Val Lys Thr Arg Arg Gly Val Ser Ser Glu
 35 40 45

Met Gly Lys Arg Leu
 50

<210> 150

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (20)..(20)

<223> any amino acid

<400> 150

Met	Pro	Leu	Phe	Thr	Leu	Glu	Ser	Ile	Pro	Ile	Cys	Ile	Ile	Lys	Tyr
1				5					10					15	

Met	Val	Ala	Xaa	Leu	Leu	Ser	Tyr	His	Tyr	Gln	Phe	Cys	His	Gln	Tyr
			20					25					30		

Val	Ile	Ala	Leu
			35

<210> 151

<211> 47

<212> PRT

<213> Homo sapiens

<400> 151

Met	Ala	Gly	Pro	Pro	Cys	Arg	Ala	Thr	Leu	Glu	Arg	Cys	His	Thr	His
1				5					10					15	

Ala	Thr	Asp	Gly	Trp	Tyr	Val	Leu	Ser	Ser	Val	Glu	Gly	Asp	Ile	Asn
			20					25					30		

Val	Gly	Trp	Ser	Asp	Glu	Arg	Arg	Leu	Pro	Glu	Arg	Ser	Gly	Leu
		35						40				45		

<210> 152

<211> 41

<212> PRT

<213> Homo sapiens

<400> 152

Met	Val	Thr	Ala	Ala	Pro	Val	Tyr	Leu	Leu	Gln	Ile	Arg	Asn	Leu	Trp
1				5					10					15	

Leu	Arg	Ala	Ala	Arg	Ser	Gln	Gly	Gln	Ala	Asp	Ser	Ala	Asp	Lys	Trp
			20					25					30		

Gln	Ser	Trp	Asn	Pro	Leu	Pro	Gly	Val
		35					40	

<210> 153

<211> 81

<212> PRT

<213> Homo sapiens

<400> 153

83

Met Thr Ala Gly Pro Leu Asp Gly Trp Met Val Arg Glu Glu Lys His
1 5 10 15

Ser Cys Thr Arg Lys Thr Gly Arg Lys Arg Ser Gln Ala Gln Gln Ile
20 25 30

Pro Ser Gly Trp Trp Lys Trp Ser Ser Ala Lys Tyr Cys Cys Tyr Cys
35 40 45

Cys Cys Arg Leu Cys Met Asn Phe Ile Tyr Leu Asp Pro Gly Ala His
50 55 60

Ala Ala Glu Ser Leu Phe Gln Val Lys Cys Leu Gly Val Pro Ser Arg
65 70 75 80

Ser

<210> 154
<211> 51
<212> PRT
<213> Homo sapiens

<400> 154

Met His Phe Lys Lys Thr Lys Leu Gln Tyr His Tyr Tyr Ile Leu Lys
1 5 10 15

Leu Thr Leu Val Pro Tyr His His His Ile Ser Ser Gln Glu Leu Asn
20 25 30

Tyr Pro Asp Cys Leu Arg Ile Phe Leu Pro Val Gly Leu Leu Glu Ser
35 40 45

Glu Phe Lys
50

<210> 155
<211> 10
<212> PRT
<213> Homo sapiens

<400> 155

Met Gln Asn Lys Val Arg Gly Ser Ile Lys
1 5 10

<210> 156
<211> 41

<212> PRT
 <213> Homo sapiens

<400> 156

Met Asp Gln Glu Lys Lys Thr Leu Gln Ser Lys Leu Asn Leu Glu Val
 1 5 10 15

Gly Glu Ala Gly Arg Lys Lys Asn Arg Arg Glu Leu Lys Met Met Arg
 20 25 30

Gly Leu Glu Thr Ile Gln Ser Gln Lys
 35 40

<210> 157
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 157

Met Asp Ser His Pro Pro Phe Leu Asn Leu Leu Ala Lys Ile Asn Met
 1 5 10 15

Pro Leu Tyr Cys Asp Pro Ile Ile Val Ser Thr Tyr Leu Phe Leu Ile
 20 25 30

Thr Cys Met Leu
 35

<210> 158
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 158

Met Ser Tyr Glu Thr Arg Leu Tyr Ser Tyr Pro Ile Phe Ala Gly His
 1 5 10 15

Leu Ser Asp Ile Ile Ser Tyr Val Met Phe Ile Ala Thr Leu Asp Lys
 20 25 30

Thr Leu Lys Thr Phe Leu Ser Leu Gly Ala Lys Tyr Ser Asn Gln Gly
 35 40 45

Asp Ser Phe Ala Tyr Leu Val Val Lys
 50 55

<210> 159

<211> 57
 <212> PRT
 <213> Homo sapiens

<400> 159

Met Gly Glu Gly Lys Leu Thr Gly Phe Pro Trp Ser Arg Glu Gln Gln
 1 5 10 15

Met Ala Ala Ala Arg Gln Ala Arg His Gly Ser Gln Arg Lys Arg Pro
 20 25 30

Ile Gly Phe Arg Val Trp Met Gln Ile Tyr Lys Cys Gly Gln Lys Ile
 35 40 45

Gln Thr Ser Ser Ile Lys Glu Gly Ala
 50 55

<210> 160
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 160

Met Cys Val Val Thr Ser Ser Pro Pro Ser Val Asp Ile Val Asn Asn
 1 5 10 15

Ile Leu Gly Gly Cys Thr Pro Pro Ala Ile Trp Gly Val Ala Ser Ser
 20 25 30

Ser Pro Pro Leu Asp Ile Ile Asn Asn Ile Thr Arg Gly Cys Thr Leu
 35 40 45

Pro Val Ile Lys Gly Glu Ile Gln Phe Phe Pro Pro Gln Arg Tyr Tyr
 50 55 60

Glu Gln Tyr Arg Arg Glu Leu Phe Ser His Ala Ile Trp Gly Val Thr
 65 70 75 80

Ser Ser Ser Ser Pro Trp Ile Leu Arg Lys Ile Met Gln Gly Asn Val
 85 90 95

Asn Pro Leu Arg Tyr Gly Glu
 100

<210> 161
 <211> 46
 <212> PRT

<213> Homo sapiens

<400> 161

Met Phe Tyr Gln His Leu Ile Ser His Asn Ile Ile Val Leu Asn Val
1 5 10 15

His Ile Lys Lys Asn Gln Lys Arg Leu Trp Thr Phe Ile Lys Gln Gly
20 25 30

Tyr Thr Lys Gln Val Pro Ile Ser Phe Lys Arg Leu Lys Ser
35 40 45

<210> 162

<211> 22

<212> PRT

<213> Homo sapiens

<400> 162

Met Leu Asn Lys Val Gly Ser His Lys Asn Gln Ile Leu Ser Glu Ser
1 5 10 15

Thr Tyr Lys Arg Tyr Arg
20

<210> 163

<211> 76

<212> PRT

<213> Homo sapiens

<400> 163

Met Ser Thr Val Val His Leu Tyr Ser Cys Phe Asn Gln Ser Phe Glu
1 5 10 15

Ile Gln Tyr Val Asn Lys Val Ser Asn Asn Pro Glu Ser Leu Lys Cys
20 25 30

Thr Asn Ile Gln Val Gln Phe Ile Phe Tyr Phe Lys Arg Lys Val Lys
35 40 45

Glu Leu His Cys Leu Asn Gly Phe Ser Val Tyr Asn Lys Arg Tyr Ile
50 55 60

Asn Asp Phe Lys Asn Lys Lys Ser Lys Ile Glu Ser
65 70 75

<210> 164

<211> 38

<212> PRT
 <213> Homo sapiens

<400> 164

Met Lys Asn Ala Ala Ile Ile Ser Lys Ile Trp Cys Ser Thr Leu Ile
 1 5 10 15

His Thr Asp Thr Pro Gly Val Leu Pro Thr Ile Ser Phe Val Pro Leu
 20 25 30

Val Gln Met Leu Ile Trp
 35

<210> 165
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 165

Met Gln Ser Pro Arg Met Ile Glu Asp Tyr Leu Leu Leu Asp Gln His
 1 5 10 15

Ala Val Trp Arg Trp Arg Arg Asn Ser Phe Arg Phe Arg Gln Lys Pro
 20 25 30

Ser Tyr Leu Ser Leu Tyr Tyr Ile Asn Phe Phe Met Thr Arg Val Glu
 35 40 45

Val Asn Val Leu Lys
 50

<210> 166
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 166

Met Val Trp Tyr Phe Cys Gly Leu Phe Pro Ile Met Asp Thr Phe Ser
 1 5 10 15

Phe Gln Thr Phe Gly Asn Lys
 20

<210> 167
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 167

Met Ile Phe Lys Ser Tyr Phe Gly Ala Ala Val Cys Tyr Leu Pro Leu
 1 5 10 15

Ala Phe Cys Met Lys Arg His Ser Leu Ser Ile Leu Leu Arg Glu Asp
 20 25 30

<210> 168

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (16)..(26)

<223> any amino acid

<400> 168

Met Ser Ser Asp Lys Lys Lys Lys Gln Glu Tyr Thr Cys Asn Cys Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Gly Arg Asp Lys Gly
 20 25 30

Glu Arg Asn Glu Gly Phe Tyr Leu Ile Phe Gly Arg Lys Ala Val Ala
 35 40 45

<210> 169

<211> 21

<212> PRT

<213> Homo sapiens

<400> 169

Met Asn Ser Asn Arg Ile Asn Thr Met Lys Phe Thr His Ser Gln Thr
 1 5 10 15

Thr Lys Asn Glu Arg
 20

<210> 170

<211> 35

<212> PRT

<213> Homo sapiens

<400> 170

Met Gln Leu Gln Cys Leu Ile Lys Leu His Thr Trp Lys Leu Ser Val
 1 5 10 15

Asn Ala Tyr Cys Cys His Tyr Trp Cys Lys Leu Asn Leu Asn Ile Ser
 20 25 30

Ser His Ile
 35

<210> 171
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 171

Met Lys Trp Thr Pro Thr Ser Tyr His Thr Gln Asn Arg Ser
 1 5 10

<210> 172
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 172

Met Pro Gly Pro Phe Ser Tyr Leu Ser Tyr Phe Leu Gln Asn Tyr Met
 1 5 10 15

Glu Cys Tyr Phe Glu Thr Asn Thr Ile Gln Ile Asn Leu Tyr Ser Ala
 20 25 30

Tyr Ser Pro Thr Pro Phe Pro Tyr Lys Lys Ser Glu Glu Asn Glu Thr
 35 40 45

Pro Gln Ala Phe Tyr Gly Lys Ile Leu Phe Val Cys Lys Ala Ile Ser
 50 55 60

Glu Ala Met Leu Gly Leu
 65 70

<210> 173
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (26)..(26)
 <223> any amino acid

<400> 173

90

Met Leu Leu Glu Ser Pro Lys His Leu Ala Arg Pro Pro Thr Asn Gln
1 5 10 15

His Val Asn Ser Ser Arg Thr Arg Arg Xaa Leu Leu Arg Ser Pro Arg
20 25 30

Gly Pro Gly Arg His Leu Thr Leu Arg Thr Ala Gly Val Leu Tyr Val
35 40 45

Ser Ile Thr Gln Gln Thr Arg Asn Ala Trp Gln Tyr Thr Pro Pro Leu
50 55 60

Leu Leu Pro Gly Pro Trp Gln Glu Arg Asp Lys Tyr
65 70 75

<210> 174
<211> 136
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (129)..(129)
<223> any amino acid

<220>
<221> MISC_FEATURE
<222> (134)..(134)
<223> any amino acid

<400> 174

Met Lys Trp Ser Pro Trp Ile Met Gly Arg Asp Gly Thr Met Gly Ser
1 5 10 15

His Pro Arg Gly Pro Gly Arg Cys Ser Arg Gly Trp Asp Gln Leu Leu
20 25 30

Leu Leu Cys Phe Ser Thr Phe Leu Ser His Leu Glu Glu Glu Arg Ile
35 40 45

Leu Leu Pro Phe Thr Gly Lys Thr Thr Glu Ala Leu Trp Ser Ser Ala
50 55 60

Gly Met Gln Gly Arg Leu Trp Gln Ala Gly Leu Gln Val Arg Pro Trp
65 70 75 80

Gly Ser Glu Glu Glu Gly Ala Cys Gln Glu Leu Pro Thr Arg Ser Gly

91

85

90

95

Arg Ile His Met Leu Ile Cys Arg Arg Pro Gly Gln Val Leu Arg Arg
100 105 110

Leu Gln Gln His Arg Ser Ser Asp Thr Leu Gly Glu Ala Ser His His
115 120 125

Xaa Thr Arg Glu Val Xaa Leu Pro
130 135

<210> 175
<211> 45
<212> PRT
<213> Homo sapiens

<400> 175

Met Val Asp Leu Pro Phe Lys Thr Leu Cys Leu Trp Gly Pro Gly Leu
1 5 10 15

Cys Leu Thr Asp Leu Leu Thr Pro Ala Pro Gly Pro Asp Leu Val Leu
20 25 30

Arg Lys Cys Met Leu Thr Asp Trp Met Asn Val Leu Phe
35 40 45

<210> 176
<211> 82
<212> PRT
<213> Homo sapiens

<400> 176

Met Arg Asn Ala Leu Pro Leu Leu Gln Ser Met Leu Glu Lys Ser Pro
1 5 10 15

Thr Ala Val Arg Leu Gln Leu Asn Trp Ala Ile Lys Asp Gln Gln Ile
20 25 30

Pro Ala Glu Thr Tyr Pro Ala Val Asp Ile Thr Ala Ser Gly Ile Gly
35 40 45

His Gly Arg Ala Trp Arg His Glu Arg Ala Arg Tyr Val Gly Lys Arg
50 55 60

Met Ser Gly Glu Glu Glu His Gln Ile Arg Ile Glu Asn Ile Lys Ser
65 70 75 80

Asn Arg

<210> 177
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 177

Met Arg Arg Gly Phe Gly Arg Ser Leu Ser Trp Ala Arg Pro Ser Leu
 1 5 10 15

Tyr Ser Arg Ile Pro Arg Phe Ser Ala Pro Leu Ser Ser Ala Tyr Tyr
 20 25 30

Val Leu Gly Thr Met Leu Asn Val Leu Leu Thr Trp Ser His Phe Asn
 35 40 45

Thr His Asn Ser Ile Leu Arg Arg Glu Asn Ser Gly
 50 55 60

<210> 178
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 178

Met Ser Gly Leu Phe Ile Phe Ile Ile Val Asn Ile Ser Ile Val Thr
 1 5 10 15

Asn Tyr Asn Lys Ile Tyr Leu Ser Ile Ser Thr Leu Ile Arg Ile
 20 25 30

<210> 179
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (21)..(21)
 <223> any amino acid

<220>
 <221> MISC_FEATURE
 <222> (53)..(53)
 <223> any amino acid

<400> 179

Met Pro Pro Ile Leu Gln Met Arg Pro Ala Gly Leu Lys Ala Gly Arg
 1 5 10 15

Glu Val Leu Gly Xaa Cys His Ala Gln Gly Cys Cys Leu Leu Ser Ala
 20 25 30

Gln Pro Phe Cys Lys Thr Ser Leu Pro Pro Gln Gln Ser Cys Phe Leu
 35 40 45

Pro Gly Glu Gly Xaa Val Leu Ile Ser Ala Phe Gly Gly
 50 55 60

<210> 180

<211> 77

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> any amino acid

<220>

<221> MISC_FEATURE

<222> (23)..(55)

<223> any amino acid

<400> 180

Met Gly Leu Xaa Thr Thr Phe Leu Arg Arg Gly Gln Arg Ala Ser Ser
 1 5 10 15

Phe His Gln Glu Arg Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala Leu Trp Gly Gln Phe His His
 50 55 60

Ser Leu Glu Ser Asp Val Met Thr Leu Gly Leu Ser Pro
 65 70 75

<210> 181

<211> 64

<212> PRT

<213> Homo sapiens

<400> 181

Met Lys Leu Pro Ser Pro Tyr Ala Leu Glu Pro Pro Pro Leu Ser His
 1 5 10 15

Pro Gly Thr Ser Pro Gln Gln Phe Ser Leu Leu Ser Pro Phe Ser Leu
 20 25 30

Ile Ser Pro Ser Asn Trp Ile Ile Leu Ile Cys Ile Gln Thr Cys His
 35 40 45

Cys Ile Phe Tyr Phe Lys Asn Thr Lys Lys Asn Leu Asp Tyr Met Ser
 50 55 60

<210> 182

<211> 122

<212> PRT

<213> Homo sapiens

<400> 182

Phe Phe Phe Leu Arg Gln Ser Gly Ser Val Ala Gln Ala Thr Glu Cys
 1 5 10 15

Arg Gly Met Ile Ser Ala His Cys Ser Leu His Leu Leu Gly Ser Ser
 20 25 30

Asp Ser Pro Thr Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Thr Cys
 35 40 45

His His Ala Trp Leu Ile Phe Val Phe Leu Val Glu Ala Gly Phe His
 50 55 60

His Leu Gly Gln Thr Ser Leu Gln Leu Leu Thr Ser Ser Asp Pro Ser
 65 70 75 80

Thr Leu Ala Ser Lys Ser Ala Glu Ile Thr Gly Val Ser His His Ala
 85 90 95

Trp Arg Val Leu Leu Phe Asn Val Ala Thr Arg Lys Phe Thr Leu Ser
 100 105 110

Leu Trp Leu Thr Leu His Leu Phe Tyr Val
 115 120

<210> 183

<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 183

Met Cys Gly Ile Leu Glu Pro Val Leu His Arg
 1 5 10

<210> 184
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 184

Met Phe Ile Pro Ile Thr Val Gly Thr Ile Lys Ala Ile Ser Leu Tyr
 1 5 10 15

Pro Leu Pro Tyr Leu Arg Lys Arg Lys Ile Asn Asn Lys Val Met Lys
 20 25 30

Glu Asn Thr Leu Ala Ile Ser Pro Phe Ser Ser Gln Trp Leu Asn Leu
 35 40 45

Thr Pro Thr Tyr Asp Pro Ala Leu Lys Tyr Ser Thr Ile Lys Cys Lys
 50 55 60

Glu Arg Glu Asn Trp Gly Ser Lys Val Lys Lys
 65 70 75

<210> 185
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (23)..(24)
 <223> any amino acid

<400> 185

Met Leu Thr Val Lys Thr Leu Leu Ser Gln Val Cys Pro Tyr Leu Cys
 1 5 10 15

Pro Leu Leu Leu Leu Gly Xaa Xaa Lys Lys Lys Lys Ile Gln Leu
 20 25 30

<210> 186
 <211> 37

<212> PRT
 <213> Homo sapiens

<400> 186

Met Arg Leu Ala Val Leu Phe Trp His Thr Ser Tyr Ile Tyr Ile Cys
 1 5 10 15

Tyr Lys Pro His Thr Thr Leu Phe Leu Leu Gly Arg Phe Leu Lys Asn
 20 25 30

Met Lys Leu Tyr Arg
 35

<210> 187
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 187

Met Pro Ser Val Gln Gln Ala Leu Ser Thr Pro Leu Ser Gly Val His
 1 5 10 15

Val Arg Val Leu Ser Glu Leu Thr Leu Leu Cys Thr Leu Cys Thr His
 20 25 30

Ser Ile Ile Cys Thr Gln Leu Phe Ser Trp Glu Met Gln Leu Cys Leu
 35 40 45

Val Phe Pro Ala Pro Ser Thr Leu Ser Asn Cys Thr Ser Phe Leu His
 50 55 60

Leu Ala Ile Ser Leu
 65

<210> 188
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (11)..(11)
 <223> any amino acid

<220>
 <221> MISC_FEATURE
 <222> (5)..(5)
 <223> any amino acid

<220>
 <221> MISC_FEATURE
 <222> (57)..(59)
 <223> any amino acid

<400> 188

Met Ser Ile Ile Xaa Leu Phe Tyr Ser Thr Xaa Phe Gly Ala Cys Tyr
 1 5 10 15

Gly Gly Met Val Ser Gly Ile Val Ala Met Lys Ser Met Ser Phe Glu
 20 25 30

Glu Ala Gln Gly Lys Phe Arg Lys Phe Ser Cys Met Arg Lys Cys Leu
 35 40 45

Leu Thr Asn Thr Gly Leu Lys Lys Xaa Xaa Xaa Phe Ser Val Phe Val
 50 55 60

His Ser Leu Gln Asn Leu Leu Leu
 65 70

<210> 189
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 189

Met Ile Leu Val Gly Arg Ser Pro Leu Ala Phe Met Met Ile Leu Tyr
 1 5 10 15

Val Cys

<210> 190
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> any amino acid

<220>
 <221> MISC_FEATURE
 <222> (26)..(27)
 <223> any amino acid

<400> 190

Met Xaa Leu Thr Met Arg Ile Thr His Leu Ile Cys Ile Leu Val Ser
 1 5 10 15

Ser Leu Gly Ile Ile Asn Ala Ile Phe Xaa Xaa Phe Leu Phe Ser Phe
 20 25 30

Gln Phe Phe Cys Ile Pro
 35

<210> 191

<211> 24

<212> PRT

<213> Homo sapiens

<400> 191

Met Leu Leu Tyr Lys Tyr Ser Tyr Lys Ile Gly Lys Gln Asp Ala Thr
 1 5 10 15

Gln Val Ala Glu Asp Gln Arg Leu
 20

<210> 192

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (27)..(27)

<223> any amino acid

<400> 192

Met Phe Thr Val Gly Pro Tyr Gly Val Leu Arg Leu His Phe Ile Ser
 1 5 10 15

Cys Asn Ile Phe Val Cys Cys Phe Phe His Xaa Leu Leu Ile Cys Val
 20 25 30

His Ile Thr Asn Ser Val Ser
 35

<210> 193

<211> 43

<212> PRT

<213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (37)..(38)
 <223> any amino acid

<400> 193

Met Cys Ser Cys Leu Gly Ala Ile Pro Asp Thr Ser Leu Gly Thr Ala
 1 5 10 15

Phe Tyr Trp Trp Phe Phe Leu Leu Gln Thr Leu Pro Pro Met Ile Trp
 20 25 30

Asn Phe Ile Ser Xaa Xaa Lys Arg Lys Asn Val
 35 40

<210> 194
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 194

Met Lys His Gln Asn Pro Gly Glu Lys Ile Leu Ile Tyr Leu Phe Asn
 1 5 10 15

Ile Thr Leu Leu Ser Gln
 20

<210> 195
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 195

Met Thr Leu Lys Lys Asn Arg Glu Tyr Phe Phe Pro
 1 5 10

<210> 196
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 196

Phe Phe Phe Leu Arg Trp Arg Leu Ala Leu Val Ala Gln Ala Gly Val
 1 5 10 15

Gln Trp Arg Asp Leu Gly Ser Leu Gln Pro Pro Pro Pro Gly Phe Arg
 20 25 30

Ala Phe Ser Cys Leu Ser Leu Ser Ser Ser Trp Asp Tyr Arg His Leu
 35 40 45

Pro Asn Thr Pro Gly Ala Phe Phe Glu Phe Leu Val Glu Met Gly Phe
 50 55 60

His His Leu Val Asp Met Gly Phe Pro His
 65 70

<210> 197
 <211> 66
 <212> PRT
 <213> Homo sapiens
 <400> 197

Met Gly Arg Pro Thr Val Cys Thr His Leu Leu Ser Val Leu Val Glu
 1 5 10 15

Val Pro Leu Pro Val Cys His Cys Arg Ser Glu Ser Arg His Gly Asp
 20 25 30

Ser Leu Thr Pro Ser Ser Tyr Pro Pro Ser Ala Pro Thr Pro Pro Gln
 35 40 45

Val Ser Trp Trp Cys His Leu Pro Pro Trp Gly Cys Val Thr Leu Gly
 50 55 60

Lys Leu
 65

<210> 198
 <211> 72
 <212> PRT
 <213> Homo sapiens
 <400> 198

Met Leu Pro Arg Leu Gly Gly Arg Arg Ala Ala Leu Gln Arg Leu Leu
 1 5 10 15

Gly Leu Arg Pro Leu Leu Arg Val Pro Gly Arg Gly Gln Arg Glu Ala
 20 25 30

Ala Gly Pro Ala His Leu Ser Ala Arg Pro Glu Ala Gly Thr Cys Ser
 35 40 45

Gly Ala Glu Gln Thr His Glu Thr Met His Leu Phe Gly Ala His Ser

50

55

60

Phe Tyr Arg Gly Arg Tyr Pro Thr
65 70

<210> 199
<211> 29
<212> PRT
<213> Homo sapiens

<400> 199

Met Cys Thr Met Cys Ser Thr Leu Ser Tyr Met Leu Tyr Met His Tyr
1 5 10 15

Phe Ser Lys Ser Thr Val Val Ser Arg Val Val Ser Arg
20 25

<210> 200
<211> 26
<212> PRT
<213> Homo sapiens

<400> 200

Met Cys Thr Met Cys Ser Thr Leu Ser Cys Met Leu Tyr Met His Tyr
1 5 10 15

Phe Ser Lys Ser Thr Gln Arg Tyr Tyr Glu
20 25

<210> 201
<211> 75
<212> PRT
<213> Homo sapiens

<400> 201

Met Cys His Ser Leu Arg Leu Lys Leu Pro Ser Cys Ser Glu Ser Lys
1 5 10 15

Trp Leu Asn Gln Asp Ser Arg Pro Tyr Leu Leu Thr Leu Asn Ser Lys
20 25 30

Leu Leu Trp Trp Lys Gly Leu Gly Asp Ser Arg Thr Ala Leu Pro His
35 40 45

Asp Ala Arg Cys Pro Gly Gln Thr Phe Thr Ile Phe His Phe Pro Asp
50 55 60

102

Phe Leu Asn Leu Pro Ser Phe His Ile Thr Val
65 70 75

<210> 202
<211> 75
<212> PRT
<213> Homo sapiens

<400> 202

Met Phe Phe Lys Ala Lys Glu Leu Val Leu Met Lys Thr Leu Phe Ser
1 5 10 15

Glu Arg Leu Ile Ser Lys Lys Ile His Asn Lys Ala Cys Leu Leu Arg
20 25 30

Tyr Asn Asp Phe Gln Thr His Ser Val Ser Thr Phe Leu Val Ala Ile
35 40 45

Phe Leu His Cys Asp Leu Val Leu Leu Gln Leu Leu Lys Leu Phe Cys
50 55 60

Phe Asn Leu Thr Trp Phe Tyr Pro Ser Leu Lys
65 70 75

<210> 203
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (4)..(32)
<223> any amino acid

<400> 203

Met Leu Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Gln Lys Ser Gly Ser Leu Pro Leu
35 40

<210> 204
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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 <222> (4)..(5)
 <223> any amino acid

<400> 204

Met Leu Ile Xaa Xaa Gln Tyr Tyr Ile Ile Ile Tyr Asn Leu Lys Leu
 1 5 10 15

Tyr Met Ile Ile His Lys Val Lys Leu Tyr Ile Ile Ile Ser Ile Ile
 20 25 30

Leu

<210> 205
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 205

Met Ala Gly Leu Lys Ile Val Gln Ile Phe Phe Ile Leu Tyr Met Ala
 1 5 10 15

Gly Pro Arg Asn Val Gln Ile Phe Met Phe Cys Phe Pro Leu Asn Tyr
 20 25 30

Lys Leu

<210> 206
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (60)..(60)
 <223> any amino acid

<400> 206

Met Leu Phe Thr Gly Val Ser His His Glu Asp Tyr Gly Trp Phe Cys
 1 5 10 15

Leu Trp Arg Pro Gly Leu Pro Ala Ser Asp Arg Gly Leu Thr Gly Phe
 20 25 30

Ser Val Lys Arg Phe Thr Val Val His Lys Ser Lys Gln Thr Ser Ser
 35 40 45

Gly Glu Ile Glu Val Leu Leu Leu Gly Thr Leu Xaa Leu Cys Glu Val
 50 55 60

Lys Ser Ile Cys
 65

<210> 207
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (56)..(56)
 <223> any amino acid

<220>
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 <222> (62)..(62)
 <223> any amino acid

<400> 207

Met Leu Ile Lys Val Val Pro Lys Trp Ala Val Thr Ser Ile Thr Gly
 1 5 10 15

Pro Asn Leu Thr Ala Lys Leu Gln Val Gly His His His Tyr His Leu
 20 25 30

Glu Thr Val Asn Ile Val Trp Arg Leu Thr Leu Tyr Thr His Ser Tyr
 35 40 45

Met Ala Met Cys Lys Leu Ser Xaa Pro Val Ala Gly Pro Xaa
 50 55 60

<210> 208
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 208

Met Leu Phe Ser Ile Ser Leu Gln Leu Gly Cys Ala Leu Ala Val Leu
 1 5 10 15

Cys Asn Thr Gly Phe Ser Lys Arg Asn Lys Gly Gln Leu Ala Leu Leu

20

25

30

Ser Glu Ile Cys Leu Lys Asn Phe Ile Ser Gln His Arg Phe Leu Met
 35 40 45

Arg Phe Ser Lys Lys
 50

<210> 209
 <211> 83
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC_FEATURE
 <222> (81)..(81)
 <223> any amino acid

<400> 209

Met Pro Pro Gly Pro Pro Ala Gln Asp Ile Met Val Pro Arg Glu Arg
 1 5 10 15

Glu Pro Gln Gly His Trp Gln Glu Leu Pro Ile Pro Ser Pro Trp Val
 20 25 30

Gly Ser Arg Trp His Arg Lys Gly Gly Pro Gly Gly Leu Val Thr Trp
 35 40 45

Glu Leu Pro Leu Glu Ala Ile Ser Arg Gly Leu Arg Val Gly Arg Gly
 50 55 60

Gly Phe Gly Val Phe Cys Leu Cys Arg Val Arg Gln Gly Arg Leu Gly
 65 70 75 80

Xaa Arg Arg

<210> 210
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 210

Met Leu Glu Tyr Leu Glu Val Asn Ser His Cys Ile Cys Tyr Leu Lys
 1 5 10 15

Tyr Tyr Thr Asn Lys Gln Asp Glu Ala Lys Leu Leu Ser Leu Asp Met

20

25

30

Gly Leu

<210> 211
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 211

Met Ala Ser Ser Gln Leu Gly Tyr Val Cys Ser Cys Val Ala Ala Asn
 1 5 10 15

Met Ser Met Pro Ala Ser His Ser Ala Leu Ser His Thr Val Met Gly
 20 25 30

Thr Asn Ile Gln Glu Glu Gln Lys Ser Arg Pro Trp Val Leu Phe Ser
 35 40 45

Pro Cys Gln Arg Cys Ser Pro Thr Ala Pro Gly Asp Leu Gly Trp Glu
 50 55 60

Lys Asn Gln Ser Leu Thr Ser His Pro Thr Ala Phe Cys Phe Leu Thr
 65 70 75 80

Leu Leu Arg Ser Gly Ser Ser Arg Pro Gly Gly Leu Gly Gln Gly
 85 90 95

<210> 212
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 212

Met Val Ile His Thr His Lys Val Ala Ala Tyr Ile Asp His Gln His
 1 5 10 15

Ala Lys Asn Met Asn Leu Gly Ile Ile Ser Pro Ala Glu Ser Gln Val
 20 25 30

Gln

<210> 213
 <211> 37
 <212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> any amino acid

<400> 213

Met Glu Ser Leu Leu Xaa Leu Leu Gln Ile Pro Asn Ser Leu Ser Lys
1 5 10 15

Thr Leu Lys Ile Phe Tyr Asn Ser Glu Glu Glu Lys Ile Arg Ala Arg
20 25 30

Gln Val Lys Asn Val
35

<210> 214

<211> 45

<212> PRT

<213> Homo sapiens

<400> 214

Met Thr Leu Val Arg Ser Val Leu Glu Gln Phe Ala Glu Pro Cys Lys
1 5 10 15

Ile Asp Gly Ala Tyr Leu Phe Pro Ala Leu Cys Ser Ser Met Pro Asp
20 25 30

Arg Gln Thr Glu Ile Ser Arg Asp Lys Asn Val Tyr Thr
35 40 45

<210> 215

<211> 21

<212> PRT

<213> Homo sapiens

<400> 215

Met Asn Arg Asp Ala Ala Phe Asp Ser Val Leu Val Leu Asp Ser Ala
1 5 10 15

Phe Gly Phe Phe Phe
20

<210> 216

<211> 46

<212> PRT

<213> Homo sapiens

<400> 216

Met Lys Ala Ile His Leu Val Lys Arg Asn Gly Ser Arg Ala His Val
 1 5 10 15

Arg Arg Asp Ile Glu Arg Glu Gln Ile Pro Ser Arg Ser Val Leu Ala
 20 25 30

Ser Ala Ala Thr Ser Asn Leu Asn Asn Ser Val Ser Leu Phe
 35 40 45

<210> 217

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> any amino acid

<400> 217

Met Leu Pro Arg Xaa Gln Phe Pro Glu Ala Ala Ala Leu Gly Arg Ala
 1 5 10 15

Gly Cys Trp Val Gly Gln His Ser Ala Ala Glu Ala Asp Pro Glu Gly
 20 25 30

Leu Thr Ala Gly Gly His Leu Pro Ser Ser Leu Leu Gln Leu Asp Gly
 35 40 45

Lys Ala Phe Leu Glu Glu Gly Gly Pro Gly Asn Ala Phe Pro His Leu
 50 55 60

Leu His Leu Tyr Pro Leu Thr Leu Arg Asp Leu Ala Thr Cys Leu Gln
 65 70 75 80

Thr

<210> 218

<211> 49

<212> PRT

<213> Homo sapiens

<400> 218

Met Pro Asn Cys Cys Ser Glu Lys Met Gln Ser Phe Thr Gln His His

1				5						10						15	
Gln	Gln	Arg	Pro	Asn	Ala	Pro	Gly	His	Cys	Asp	Phe	Ala	Ala	Ser	Gly		
			20					25					30				
Met	Leu	Ile	Ile	Phe	Gly	Phe	Ala	Asn	Leu	Thr	Gly	Tyr	Arg	Ile	Ile		
		35					40					45					
Phe																	
<210>	219																
<211>	20																
<212>	PRT																
<213>	Homo sapiens																
<400>	219																
Met	Cys	Ser	Glu	Arg	Arg	Ser	Arg	Gln	Gly	Pro	Asp	Tyr	Ile	Gly	Leu		
1				5					10					15			
Cys	Lys	Ser	Glu														
			20														
<210>	220																
<211>	115																
<212>	PRT																
<213>	Homo sapiens																
<400>	220																
Met	Val	Phe	Leu	Phe	Val	Cys	Leu	Phe	Val	Leu	Arg	Trp	Asn	Phe	Ala		
1				5					10					15			
Phe	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	Cys	Ser	Leu	Gly	Pro	Arg	Gln		
			20					25					30				
Pro	Pro	Pro	Pro	Arg	Phe	Asn	Ala	Phe	Ser	Cys	Leu	Asn	Leu	Pro	Ser		
		35					40					45					
Ser	Ala	Asp	Ala	Arg	Arg	Ala	Pro	Pro	Tyr	Pro	Ala	Asn	Phe	Phe	Leu		
	50					55					60						
Phe	Phe	Phe	Phe	Phe	Ala	Val	Glu	Met	Glu	Phe	His	His	Val	Gly	Gln		
65					70					75					80		
Ala	Gly	Leu	Lys	Leu	Leu	Thr	Ser	Gly	Asp	Pro	Pro	Thr	Leu	Ala	Ser		
				85					90					95			

Glu Ser Ala Gly Ile Thr Gly Val Ser His Cys Ala Gln Pro Asp Ser
 100 105 110

Asn Phe Phe
 115

<210> 221
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 221

Met His Lys Gln Lys Gln Glu Arg Leu Glu Cys Asn Ser Ile Glu Ser
 1 5 10 15

Ser Glu Gly Gly Val Val Thr Pro Ala Glu Arg Glu Arg Glu Gln Gly
 20 25 30

Pro Gln Ser Gln Ala Gly Trp Gln Gln Val Leu Leu Cys Pro His Leu
 35 40 45

Gln Leu Gly Asp Ala Arg Arg Gly
 50 55

<210> 222
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 222

Met Lys Ser Asn Pro Glu Met Ile Lys Gly Lys Ser Tyr Asn Lys Thr
 1 5 10 15

Tyr Lys Cys Thr Phe Ala Leu Leu Leu Ser Thr Ser Leu Ala Asp Ile
 20 25 30

Lys Leu Cys Asn Ile Val Ile Ile Thr Ile Tyr Cys Tyr Ile Cys Asn
 35 40 45

Ile Tyr Arg Tyr Asn Ile Tyr Asn Ile Ser Thr Thr Lys Ser
 50 55 60

<210> 223
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 223

Met Phe Trp Leu Tyr Ser Lys Ile Glu His Leu Val Ile Ile Phe Arg
 1 5 10 15

Asn Thr Arg Ile Ser Lys Thr Gln Ile Phe Trp Pro Val Thr Cys Gly
 20 25 30

Leu Tyr Ser Leu Lys Val Leu Lys Ile Ile Lys Val Arg Leu Leu Ile
 35 40 45

Met Ile Leu Asp Asn Arg Ile
 50 55

<210> 224

<211> 17

<212> PRT

<213> Homo sapiens

<400> 224

Met Arg Asn Cys Asn Ser His Arg Gly Pro Pro Arg Gly Val Glu Glu
 1 5 10 15

Gly

<210> 225

<211> 38

<212> PRT

<213> Homo sapiens

<400> 225

Met Thr Val Gly Trp Thr His Val Lys Ala Pro Pro Leu Ala Phe Arg
 1 5 10 15

Gly Trp Leu Ser Asn Glu Thr Leu Val Ser Leu Leu Asp Lys Thr Thr
 20 25 30

Ile Arg Ala Leu Cys Ile
 35

<210> 226

<211> 51

<212> PRT

<213> Homo sapiens

<400> 226

Met Thr Lys Leu Trp Ile Gln Pro Met Leu Gln Arg Ser Pro His Ser

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      1             5             10             15
Cys His Ala Ser Ala Ser Asn Pro Glu Met Ala Tyr Thr Leu Pro Arg
          20           25           30
Asp Val Thr Ser Thr Gln Gln Ala Pro Gly Phe Ser His Leu Cys Thr
          35           40           45
Thr Leu Gln
          50

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<400> 227

Leu

<400> 228

Tyr Tyr Thr Tyr Asn Lys Gly Asn Lys
20 25

<210> 229
 <211> 93
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (42)..(42)
 <223> any amino acid

<220>
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 <222> (91)..(91)
 <223> any amino acid

<400> 229

Met Asn Val Thr Trp Val Ser Lys Gly Leu Pro Lys Lys Leu Glu Gln
 1 5 10 15

Ser Gly Ala Pro Gly Ser Ala Pro Asn Pro Trp Thr Leu Ala Val Ser
 20 25 30

Leu Pro Glu Pro Glu Pro Val Gln Cys Xaa Ser Ser Val Cys Gly Gln
 35 40 45

Lys Leu Gln Thr Pro Glu Asn Cys His Leu Arg Cys Trp Lys Ser Leu
 50 55 60

Leu Ser Leu Thr Asn Cys Gln Gln Gly Glu Cys Ala Gln Phe Trp Arg
 65 70 75 80

His Ser Phe Pro Gly Asp Trp Glu Cys Ser Xaa Trp Val
 85 90

<210> 230
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 230

Met Gly Glu Ile Phe Lys Glu Glu Lys Ile Glu Asn Ile Leu Met His
 1 5 10 15

Phe Lys Asn Thr Gly Leu Ser Ala Pro Ser Val Arg
 20 25

<210> 231

<211> 98
 <212> PRT
 <213> Homo sapiens

<400> 231

Leu Arg Arg Ser Leu Ala Leu Ser Leu Arg Leu Glu Cys Asn Gly Thr
 1 5 10 15

Val Leu Ala His Cys Asn Phe His Phe Pro Gly Ser Ser Asn Ser Pro
 20 25 30

Asp Ser Ala Ser Arg Val Ala Gly Ile Thr Gly Thr His Asn Arg Thr
 35 40 45

Gln Leu Ile Phe Val Phe Leu Val Glu Met Gly Phe His His Pro Gly
 50 55 60

Gln Thr Gly Leu Glu Leu Met Thr Ser Asp Pro Ser Thr Leu Ala Ser
 65 70 75 80

Gln Asn Ala Gly Ile Thr Gly Val Ser His His Thr Trp Pro Ser Gln
 85 90 95

Ala Tyr

<210> 232
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 232

Met Pro Gly Ser Pro Thr Met Pro Leu Phe Ser Thr Tyr Pro Thr Pro
 1 5 10 15

Asn Pro Ser Ala Asn Leu Val Asn Ser Glu Phe Arg Ile Tyr Pro Thr
 20 25 30

Ser Glu Cys Ile Phe Pro Ser Leu His Gln Ser Pro Ser Phe Lys Pro
 35 40 45

Pro Ser Phe Leu Thr Gly Leu Ser
 50 55

<210> 233
 <211> 43
 <212> PRT

<213> Homo sapiens

<400> 233

Val Leu Leu Cys Cys Pro Gly Trp Ser Arg Thr Pro Ile Leu Lys Ala
1 5 10 15

Ser Ser His Leu Ser Leu Pro Lys Phe Trp Asn Ser Arg Cys Gln Pro
20 25 30

Pro Arg Leu Ala Leu Ile Tyr Ile Ala Thr Gly
35 40

<210> 234

<211> 48

<212> PRT

<213> Homo sapiens

<400> 234

Met Asn Ile Gln Asn Lys Glu Met Val Pro Met Thr Ala Thr Ile Phe
1 5 10 15

Arg Arg His Tyr Arg Cys His Pro Met Pro Leu Ala Lys Lys Lys Ser
20 25 30

Phe Arg His Phe Gly Ile Glu Arg Lys Arg Tyr Asn Asn Leu Tyr Leu
35 40 45

<210> 235

<211> 65

<212> PRT

<213> Homo sapiens

<400> 235

Met His Ile Ile Tyr Tyr Asn Thr Leu Val Lys His Gln Leu Leu Ala
1 5 10 15

Val Thr Phe Ser Cys Pro Ser His Cys Arg Cys Lys Asp Lys Cys Phe
20 25 30

Tyr Leu Lys Ala Phe Pro His Phe Trp Glu Glu Glu Leu Pro Leu Leu
35 40 45

Val Lys Ile Leu Ala Val Leu Cys Leu Met Ala Ile Ser Glu Lys Ser
50 55 60

His
65

<210> 236
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 236

Met Ile Thr Lys Ser Val Pro Leu Phe Phe Leu Ile Gly Asp Ala Ser
 1 5 10 15

Cys Val Val Ser Phe Leu Glu Glu Glu Asp Phe Leu Ser Arg Pro Leu
 20 25 30

Arg Arg Leu Phe Leu Val Ile Ser Lys Met Ile Ala Tyr Ala Leu Val
 35 40 45

Glu Ile Ile Leu Ala Ala Leu Ile Asn Lys Pro Pro Asn Leu Trp Asp
 50 55 60

Leu Ala Lys
 65

<210> 237
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 237

Met Lys Trp Glu Asn Ser Ser Asn Asp Thr Asn Tyr His Asn Ser Leu
 1 5 10 15

Lys Ile Lys His Thr Tyr Thr
 20

<210> 238
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 238

Met Gln Pro Leu Asn Lys His Ser Leu Arg Leu Leu Cys Gln Ala Met
 1 5 10 15

Glu Ile Ser Glu Pro Pro Gln Gly Val His Arg Pro Val Glu Glu Lys
 20 25 30

Glu Met Gln Gln Gly Asp Ile Gly Ile Phe Leu Val Ser Leu Met Asp

35

40

45

Phe Glu Asp Ser Ala Ile Met Arg Thr Val Phe Arg Glu Glu Glu
 50 55 60

<210> 239

<211> 63

<212> PRT

<213> Homo sapiens

<400> 239

Met Asp His Thr Ser Leu His Gly Phe Ala His Ile Glu Ile Ile Tyr
 1 5 10 15

Ser Ala Gly Gly Ser Leu Val Leu Lys Ile Asp Ser His Gly Ile Ile
 20 25 30

Lys Glu Ser Asn Cys Val Gln Pro Asn Ile Arg Ser Ser Gly Phe Gln
 35 40 45

Ile Ser Lys Ala Cys Tyr Leu Met Tyr Ser Ser Ile Leu Gly Cys
 50 55 60

<210> 240

<211> 86

<212> PRT

<213> Homo sapiens

<400> 240

Met Leu Val Ile Tyr Ile Phe Leu Glu Thr Met His Phe Ile Trp Ile
 1 5 10 15

Leu Asp Phe Phe Lys Met Tyr Met Leu Phe Tyr Ile Tyr Phe Val Thr
 20 25 30

Cys Ile Met Ile Thr Tyr Met Ile Lys Met Ile Tyr Val Ile Leu Phe
 35 40 45

Ile Phe Lys Lys Phe Ser Leu Phe Val Ile Ile Ser Pro Tyr Leu Leu
 50 55 60

Ser Ser Thr Asn Leu Gln Ser Arg Leu Val Gln Ile Thr Arg Tyr Phe
 65 70 75 80

Ser Met Leu Phe Asn Ser
 85

<210> 241
 <211> 49
 <212> PRT
 <213> Homo sapiens

 <220>
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 <222> (7)..(7)
 <223> any amino acid

<220>
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 <222> (21)..(39)
 <223> any amino acid

<400> 241

Met Leu Val Trp Gly Thr Xaa Lys Gly Pro Ile Cys Phe Ser Leu Asn
 1 5 10 15

Asn Asn Lys Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Pro Tyr Gly Thr Phe Lys Cys Gly
 35 40 45

Lys

<210> 242
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 242

Met Gln Val Val Tyr Arg Ala Lys Leu Val Gly Leu Ala Thr Ile Leu
 1 5 10 15

Asn Ile Ser Ile Lys Arg Thr Arg Arg Glu Thr His Met Met Ile Ser
 20 25 30

Leu Phe Pro Arg Gly Ile Leu Gly Arg Gly Asn Asn Glu Ala Val Glu
 35 40 45

Val Ser Tyr Asn Leu Lys Gln Phe Phe Ser Leu Leu Ala Ile Ser
 50 55 60

<210> 243

<211> 36
 <212> PRT
 <213> Homo sapiens

<400> 243

Met Thr Glu Arg Ser Glu Met Met Val Cys Leu Val Leu Leu Pro Thr
 1 5 10 15

Ser Asn Leu Cys Phe Ser Lys Leu Leu Tyr Val Ile Ile Leu Val Leu
 20 25 30

Lys Ile Pro Leu
 35

<210> 244
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 244

Met Tyr Thr Tyr Phe Arg Ser Ser Tyr Lys Tyr Phe Glu Ile Arg Ser
 1 5 10 15

Phe Pro Pro Ser Trp Gln Pro His Ile Tyr Tyr Ile Ser Leu
 20 25 30